

Welcome to IEEE Xplore

- ☐ Home
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account

Print Format

[SEARCH RESULTS](#) [\[PDF Full-Text \(592 KB\)\]](#) [PREVIOUS](#)

The role of tools in development of a data warehouse

- McCabe, M.C.; Grossman, D.

Editor(s): Frieder, O., Wigglesworth, J.

This paper appears in: Assessment of Software Tools, 1996., Proceedings Fourth International Symposium on

On page(s): 139 - 145

22-24 May 1996

1996

ISBN: 0-8186-7389-3

IEEE Catalog Number: 96TB100054

Number of Pages: xi+147

References Cited: 0

INSPEC Accession Number: 5316888

Abstract:

We discuss the tools required for building a **data warehouse**. We describe key of each tool. Software tools for **data warehousing** include data modeling, data management systems, data extraction and migration, data validation, **metadata** schedulers. We also describe project management methods we have developed building a **data warehouse**. Specific tailoring of traditional software development methodology for **data warehouse** projects is proposed including dependent work down structures and a method of estimation and prioritization. Throughout the present our experience of a 25 gigabyte **data warehouse** project which has accomplished an initial delivery to over 400 users.

Index Terms:

very large databases; software tools; project management; software development management; data warehouse development; software tools; data modeling; data management systems; data extraction; migration; data validation; **metadata**; schedulers; project management methods; traditional software development methodology; dependent work break down structures

[SEARCH RESULTS](#) [\[PDF Full-Text \(592 KB\)\]](#) [PREVIOUS](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#)
[Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Establish a Web Account](#)

Copyright © 2001 IEEE -- All rights reserved

[library home](#)[list alphabetically](#)[list by SIG](#)[search library](#)[register DL](#)[subscribe DL](#)[feedback](#)

ACM Digital Library

International Conference on Management of Data and Symposium on Principles of Database Systems

Proceedings of the ACM SIGMOD international conference on Management of data
May 11 - 15, 1997, Tucson, AZ USA

[access](#)[related SIGs](#)[related conferences](#)

The WHIPS prototype for data warehouse creation and maintenance

Pages 557-559

Wilburt J. Labio, Yue Zhuge, Janet L. Wiener, Himanshu Gupta, Héctor García-Molina and Jennifer Widom

metadata:

index terms

full text: PDF 402
KB

[[Discuss this Article](#) | [Find Related Articles](#) | [Add to Binder](#)]



INDEX TERMS

Categories and Subject

Descriptors:

Information
Systems
-Database
Management

-
General
(H.2.0);
Information
Systems
-Database

Management

-

Database

Applications

(H.2.8);

General

Terms:

Design,

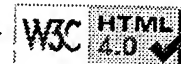
Management,

Performance,


Theory

The Digital Library is published by the Association for Computing Machinery. Copyright © 1999, 2000 ACM, Inc. This page was last updated Fri, 18 Aug. 2000 10:45 -0500 .

library home	list alphabetically	list by SIG	search library	register DL	subscribe DL	feedback
------------------------------	-------------------------------------	-----------------------------	--------------------------------	-----------------------------	------------------------------	--------------------------



[About IEEE](#) | [IEEE Memberships](#) | [IEEE Spectrum](#) | [Products and Services](#) | [Conferences](#) | [IEEE Organizations](#) | [IEEE Home](#)

 [Abstract](#)

[Help](#) [FAQ](#) [Terms](#) [Release Notes](#) [Release](#)

Welcome to IEEE Xplore

- ☐ Home
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account

 [Print Format](#)

[SEARCH RESULTS](#) [\[PDF Full-Text \(1,156 KB\)\]](#) [PREVIOUS](#) [NEXT](#)

A methodology for building a data warehouse in a scientific environment

- Aberer, K.; Hemm, K.

GMD-IPSI, Darmstadt, Germany

This paper appears in: Cooperative Information Systems, 1996. Proceedings IFCIS International Conference on

On page(s): 90 - 101

19-21 June 1996

1996

ISBN: 0-8186-7505-5

Number of Pages: xiv+249

References Cited: 30

INSPEC Accession Number: 5431575

Abstract:

Rational drug design is an example where integrated access to heterogeneous data is urgently needed, as it becomes rapidly available due to new experimental computational techniques. This is currently problematic as data is scattered over heterogeneous, mostly file-based legacy databases, the data is erroneous, incomplete and inconsistent in representation and content. The authors have developed a methodology, including **metadata** specification data transformation and software architecture, that supports data analysis and preparation for building a **data warehouse** using object-oriented database technology. With this methodology the system has been realized, that allows querying and visualization of the drug-design related from heterogeneous resources.

Index Terms:

very large databases; data warehouse building methodology; rational drug design scientific environment; integrated heterogeneous scientific data access; heterogeneous legacy databases; file-based legacy databases; **metadata** specification data transformation; **metadata** specification software architecture; data analysis; data preparation; object-oriented database technology; ReLiBase; drug-design related querying; drug-design related data visualization

[SEARCH RESULTS](#) [\[PDF Full-Text \(1,156 KB\)\]](#) [PREVIOUS](#) [NEXT](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#)
[Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Establish a Web Account](#)

Copyright © 2001 IEEE -- All rights reserved

[library home](#)[list alphabetically](#)[list by SIG](#)[search library](#)[register DL](#)[subscribe DL](#)[feedback](#)

ACM Digital Library

◀ International Conference on Management of Data and Symposium on Principles of Database Systems

◀ **Proceedings of the 1995 ACM SIGMOD international conference on Management of data**
May 22 - 25, 1995, San Jose, CA USA

[access](#)[related SIGs](#)[related conferences](#)

Data extraction and transformation for the data warehouse

Pages 446-447

Case Squire

metadata:

index terms

full text: PDF 164
KB[\[Discuss this Article \]](#) [\[Find Related Articles \]](#) [\[Add to Binder \]](#)

INDEX TERMS

Categories and Subject

Descriptors:

Information
Systems
-Database
Management

-

Systems
(H.2.4);
Computing
Milieux

- Computers
and
Society
- Organizational
Impacts
(K.4.3);
Computer
Applications
- Administrative
Data
Processing
(J.1):
Business;
Information
Systems
- Information
Systems
Applications
- Types
of
Systems
(H.4.2):
**Decision
support;**
Information
Systems
- Database
Management
- Logical
Design
(H.2.1):
**Data
models;**

General Terms: Management, Theory

The Digital Library is published by the Association for Computing Machinery. Copyright © 1999, 2000 ACM, Inc. This page was last updated Fri, 18 Aug. 2000 10:29 -0500 .

[library home](#) [list alphabetically](#) [list by SIG](#) [search library](#) [register DL](#) [subscribe DL](#) [feedback](#)



WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
111 and metadata same schema	13

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Refine Search:**Clear****Search History****Today's Date: 7/26/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	111 and metadata same schema	13	<u>L12</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	16 and data adj warehouse or datamart	153	<u>L11</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	17 and metadata same schema	45	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	17 and metadata	348	<u>L9</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	16 and "data warehouse or datamart"	0	<u>L8</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	16 and data warehouse or datamart	30151	<u>L7</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((707/\$)!.CCLS.)	11105	<u>L6</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	14 and metadata	7	<u>L5</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	datawarehouse or datamart	13	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((707/101)!.CCLS.)	701	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	5870746.uref.	18	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	5870746.pn.	3	<u>L1</u>

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

starting with: MART\$(MARTET).AB, TI, CLM.

Search Results -

Terms	Documents
11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$).ab,ti,clm.	8

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Refine Search:

11 and ((data adj1 (warehouse\$ or
 mart\$)) or datamart\$).ab,ti,clm.

Clear**Search History****Today's Date: 7/26/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$).ab,ti,clm.	8	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$)	39	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(707/102.ccls.)	886	<u>L1</u>

WEST

Help

Logout

Interrupt

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Search Results -

Terms	Documents
11 and metadata	8

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Refine Search:

Clear

Search History**Today's Date: 7/26/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and metadata	8	<u>L4</u>
USPT	5832504.pn.	1	<u>L3</u>
USPT	5934909.pn.	1	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	build\$ same data adj warehouse or data adj warehouse same build\$	35	<u>L1</u>

WEST

Help

Logout

Interrupt

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

starting with: MART\$(MARTET).AB, TI, CLM.

Search Results -

Terms	Documents
11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$).ab,ti,clm.	8

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Refine Search:

11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$).ab,ti,clm.

Clear

Search History**Today's Date: 7/26/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$).ab,ti,clm.	8	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and ((data adj1 (warehouse\$ or mart\$)) or datamart\$)	39	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(707/102.ccls.)	886	<u>L1</u>

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
11 and metadata	8

Database:

US Patents Full-Text Database	▲
US Pre-Grant Publication Full-Text Database	
JPO Abstracts Database	
EPO Abstracts Database	
Derwent World Patents Index	
IBM Technical Disclosure Bulletins	▼

Refine Search:**Clear****Search History****Today's Date: 7/26/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and metadata	8	<u>L4</u>
USPT	5832504.pn.	1	<u>L3</u>
USPT	5934909.pn.	1	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	build\$ same data adj warehouse or data adj warehouse same build\$	35	<u>L1</u>

	Type	L #	Hits	Search Text	DBs	Time Stamp
31	BRS	L31	9	23 AND 28	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:34
32	BRS	L32	1324	metadata! OR meta-data! OR (meta! ADj2 data!)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:35
33	BRS	L33	85	32 AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:43
34	BRS	L34	6	32 AND 345/\$.ccls. AND (add\$4 NEAR2 (column\$2))	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:38
35	BRS	L35	47	32 SAME populat\$5	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:38
36	BRS	L36	4	35 AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:44

	Comments	Error Definition	Errors
31			0
32			0
33			0
34		Truncation Overflow. Return string from 1 Server is: 5`0`0`345	1
35			0
36			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
37	BRS	L37	7	35 AND (olap OR oltp)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:43
38	BRS	L38	137	updat\$5 NEAR5 32	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:43
39	BRS	L39	6	38 AND 345/\$.cccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:44
40	BRS	L40	100	32 SAME schema!	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:44
41	BRS	L41	6	40 AND 345/\$.cccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:46
42	BRS	L42	35	707/2.cccls. AND 345/\$.cccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:46

	Type	L #	Hits	Search Text	DBs	Time Stamp
31	BRS	L31	9	23 AND 28	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:34
32	BRS	L32	1324	metadata! OR meta-data! OR (meta! ADj2 data!)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:35
33	BRS	L33	85	32 AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:43
34	BRS	L34	6	32 AND 345/\$.ccls. AND (add\$4 NEAR2 (column\$2))	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:38
35	BRS	L35	47	32 SAME populat\$5	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:38
36	BRS	L36	4	35 AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:44

	Comments	Error Definition	Errors
31			0
32			0
33			0
34		Truncation Overflow. Return string from 1 Server is: 5`0`0`345	1
35			0
36			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
37	BRS	L37	7	35 AND (olap OR oltp)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:43
38	BRS	L38	137	updat\$5 NEAR5 32	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:43
39	BRS	L39	6	38 AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:44
40	BRS	L40	100	32 SAME schema!	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:44
41	BRS	L41	6	40 AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:46
42	BRS	L42	35	707/2.ccls. AND 345/\$.ccls.	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM TDB	2001/07/26 15:46

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 3106900061...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG

Status: Connected

Dialog level 01.07.09D

Last logoff: 25jul01 14:55:22

Logon file001 26jul01 09:47:48

*** ANNOUNCEMENT ***

--Important Notice to Freelance Authors--

See HELP FREELANCE for more information

NEW FILE RELEASED

***EIU Business Magazines (File 622)

***IBISWorld Market Research (File 753)

***Investext PDF Index (File 745)

***Daily and Sunday Telegraph (London) Papers (File 756)

***The Mirror Group Publications (United Kingdom) (File 757)

UPDATING RESUMED

***Delphes European Business (File 481)

***Books In Print (File 470)

RELOADED

***Kompass Middle East/Africa/Mediterranean (File 585)

***Kompass Asia/Pacific (File 592)

***Kompass Central/Eastern Europe (File 593)

***Kompass Canada (File 594)

New pricing structure for Pharmaprojects (Files 128/928) from
April 1, 2001. Check Help News128 or Help News928 for further
information.

>>>Get immediate news with Dialog's First Release
news service. First Release updates major newswire
databases within 15 minutes of transmission over the
wire. First Release provides full Dialog searchability
and full-text features. To search First Release files in
OneSearch simply BEGIN FIRST for coverage from Dialog's
broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<

>>> of new databases, price changes, etc. <<<

File 1:ERIC 1966-2001/Jul 13
(c) format only 2001 The Dialog Corporation

Set	Items	Description
---	-----	-----
?begin 411		
	26jul01 09:47:57	User219455 Session D771.1
	\$0.24	0.069 DialUnits File1
\$0.24	Estimated cost File1	
\$0.01	TYMNET	
\$0.25	Estimated cost this search	
\$0.25	Estimated total session cost 0.069 DialUnits	

File 411:DIALINDEX(R)

DIALINDEX(R)

(c) 2001 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***
?sf compsci,electron,eecomp,allbusiness
You have 315 files in your file list.
(To see banners, use SHOW FILES command)
?s (data (w) warehouse?) and (prism (w) solutions)

Your SELECT statement is:

s (data (w) warehouse?) and (prism (w) solutions)

Items	File
1	2: INSPEC_1969-2001/Jul W4
2	99: Wilson Appl. Sci & Tech Abs_1983-2001/Jun
4	233: Internet & Personal Comp. Abs._1981-2001/Jul
158	275: Gale Group Computer DB(TM)_1983-2001/Jul 24
38	647: CMP Computer Fulltext_1988-2001/Jul W4
41	674: Computer News Fulltext_1989-2001/Jul W2
1	696: DIALOG Telecom. Newsletters_1995-2001/Jul 25
32	9: Business & Industry(R)_Jul/1994-2001/Jul 25
97	15: ABI/Inform(R)_1971-2001/Jul 25
299	16: Gale Group PROMT(R)_1990-2001/Jul 25
8	18: Gale Group F&S Index(R)_1988-2001/Jul 25
115	20: World Reporter_1997-2001/Jul 26
292	148: Gale Group Trade & Industry DB_1976-2001/Jul 25
17	256: SoftBase:Reviews,Companies&Prods._85-2001/Jun
1	481: DELPHES Eur Bus_95-2001/Jul W4
1	583: Gale Group Globalbase(TM)_1986-2001/Jul 25
150	621: Gale Group New Prod.Annou.(R)_1985-2001/Jul 25
5	624: McGraw-Hill Publications_1985-2001/Jul 25
20	635: Business Dateline(R)_1985-2001/Jul 25
148	636: Gale Group Newsletter DB(TM)_1987-2001/Jul 25
12	13: BAMP_2001/Jul W3
45	47: Gale Group Magazine DB(TM)_1959-2001/Jul 25
Examined 50 files	
2	75: TGG Management Contents(R)_86-2001/Jul W3

Status: Break Sent.

?s (data (w) warehouse?) and (prism (w) solutions) and ((data (w) extraction) or (populat? or build?)))

Your SELECT statement is:

s (data (w) warehouse?) and (prism (w) solutions) and ((data (w) extraction) or (populat? or build?)))

Items	File
1	2: INSPEC_1969-2001/Jul W4
1	99: Wilson Appl. Sci & Tech Abs_1983-2001/Jun
2	233: Internet & Personal Comp. Abs._1981-2001/Jul
106	275: Gale Group Computer DB(TM)_1983-2001/Jul 24
26	647: CMP Computer Fulltext_1988-2001/Jul W4
29	674: Computer News Fulltext_1989-2001/Jul W2
18	9: Business & Industry(R)_Jul/1994-2001/Jul 25
73	15: ABI/Inform(R)_1971-2001/Jul 25
204	16: Gale Group PROMT(R)_1990-2001/Jul 25
80	20: World Reporter_1997-2001/Jul 26

Status: Break Sent.

?s (data (w) warehouse?) and (prism (w) solutions) and ((data (w) extraction) or (populat? or build?)) and py<1998

Your SELECT statement is:

s (data (w) warehouse?) and (prism (w) solutions) and ((data (w) extraction) or (populat? or build?)) and py<1998

Items	File
1	2: INSPEC_1969-2001/Jul W4
1	99: Wilson Appl. Sci & Tech Abs_1983-2001/Jun
2	233: Internet & Personal Comp. Abs._1981-2001/Jul
90	275: Gale Group Computer DB(TM)_1983-2001/Jul 24
23	647: CMP Computer Fulltext_1988-2001/Jul W4
29	674: Computer News Fulltext_1989-2001/Jul W2
12	9: Business & Industry(R)_Jul/1994-2001/Jul 25
66	15: ABI/Inform(R)_1971-2001/Jul 25
142	16: Gale Group PROMT(R)_1990-2001/Jul 25
144	148: Gale Group Trade & Industry DB_1976-2001/Jul 25
9	256: SoftBase:Reviews,Companies&Prods._85-2001/Jun
64	621: Gale Group New Prod.Annou.(R)_1985-2001/Jul 25
3	624: McGraw-Hill Publications_1985-2001/Jul 25
7	635: Business Dateline(R)_1985-2001/Jul 25
49	636: Gale Group Newsletter DB(TM)_1987-2001/Jul 25
4	13: BAMP_2001/Jul W3
28	47: Gale Group Magazine DB(TM)_1959-2001/Jul 25
Examined 50 files	
1	111: TGG Natl.Newspaper Index(SM)_1979-2001/Jul 24

Status: Break Sent.

?begin 2

26jul01 09:55:47 User219455 Session D771.2
 \$6.89 5.515 DialUnits File411
 \$6.89 Estimated cost File411
 \$0.40 TYMNET
 \$7.29 Estimated cost this search
 \$7.54 Estimated total session cost 5.584 DialUnits

File 2:INSPEC 1969-2001/Jul W4
 (c) 2001 Institution of Electrical Engineers

Set	Items	Description
---	-----	-----
?s (data (w) warehouse?) and (prism (w) solutions) and ((data (w) extraction) or (populat? or build?)) and py<1998		
	1101795	DATA
	4673	WAREHOUSE?
	1676	DATA(W)WAREHOUSE?
	8227	PRISM
	272832	SOLUTIONS (January 1969)
	1	PRISM(W) SOLUTIONS
	1101795	DATA
	50505	EXTRACTION
	651	DATA(W)EXTRACTION
	69984	POPULAT?
	107684	BUILD?
	5919747	PY<1998
S1	1	(DATA (W) WAREHOUSE?) AND (PRISM (W) SOLUTIONS) AND ((DATA (W) EXTRACTION) OR (POPULAT? OR BUILD?)) AND

PY<1998

?t 1/9/1

1/9/1

DIALOG(R) File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

5301082 INSPEC Abstract Number: C9608-6130-001

Title: Automating data extraction

Author(s): Kimball, R.

Journal: DBMS vol.9, no.8 p.16, 18

Publisher: Miller Freeman,

Publication Date: July 1996 Country of Publication: USA

ISSN: 1041-5173

SICI: 1041-5173(199607)9:8L:16:ADE;1-Y

Material Identity Number: M772-96006

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: Previously, the author described the architecture of data extraction from a legacy system into a data warehouse . He described 13 steps that encompass your complete responsibility from accessing the legacy data all the way to publishing the resulting changes in the final data warehouse . These 13 steps take place every time you update your data warehouse , potentially every day. The author has studied the product literature and talked to the marketing executives from three leading extraction tool providers: Carleton Corp., Evolutionary Technologies International (ETI), and Prism Solutions . These data extraction tool providers all aim to automate the process of accessing, transforming, and migrating data. He tried to take an IS user's perspective in judging what they do and how well their tools map to his overall tasks and worries. These tools automate a number of the most difficult tasks in the list of 13 steps, but they also leave the user with a lot of messy work to do alone. (0 Refs)

Subfile: C

Descriptors: data acquisition; software reviews; very large databases

Identifiers: data extraction automation; legacy system; data warehouse ; extraction tool providers; Carleto Passport; Evolutionary Technologies International; ETI Extract; Prism Warehouse Manager

Class Codes: C6130 (Data handling techniques); C6160Z (Other DBMS)

Copyright 1996, IEE

?begin 275

26jul01 09:57:24 User219455 Session D771.3
 \$2.89 0.469 DialUnits File2
 \$2.25 1 Type(s) in Format 9
 \$2.25 1 Types
 \$5.14 Estimated cost File2
 \$0.10 TYMNET
 \$5.24 Estimated cost this search
 \$12.78 Estimated total session cost 6.054 DialUnits

File 275:Gale Group Computer DB(TM) 1983-2001/Jul 24
 (c) 2001 The Gale Group

Set	Items	Description
---	-----	-----
?s (data (w) warehouse?) and (prism (w) solutions) and ((data (w) extraction) or (populat? or build?)) and py<1998		
	379645	DATA
	12156	WAREHOUSE?
	5029	DATA(W)WAREHOUSE?
	1484	PRISM
	89888	SOLUTIONS
	215	PRISM(W) SOLUTIONS
	379645	DATA
	2722	EXTRACTION
	628	DATA(W) EXTRACTION
	14102	POPULAT?
	147298	BUILD?
	878398	PY<1998
S1	90	(DATA (W) WAREHOUSE?) AND (PRISM (W) SOLUTIONS) AND ((DATA (W) EXTRACTION) OR (POPULAT? OR BUILD?)) AND PY<1998

?t 1/ti,py/1-90

1/TI;PY/1

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Heterogeneous, diversified, and big. (Cargill Inc's use of Evolutionary Technologies International's ETI*Extract Tool Suite) (Company Operations) 1997

1/TI,PY/2..

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

The lowdown on dust bustin' tools. (data cleansing applications) (PC Week Executive) (Industry Trend or Event) 1997

1/TI,PY/3

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Down with dirt. (improving poor data quality) (PC Week Executive) (Industry Trend or Event) 1997

1/TI, PY/4

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Buried info treasure. (data stored in enterprise resource planning programs) (includes related article on putting SAP data into databases) (PC Week Executive) (Industry Trend or Event)
1997

1/TI, PY/5

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

A Warehouse compass. (Prism Solutions' Web Access Internet server software) (Product Announcement)
1997

1/TI, PY/6

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Full house, data high. (data warehousing options) (includes related articles on development tips and the need to plan) (Technology Information) (Cover Story)
1997

1/TI, PY/7

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Schedule Manager automates data warehousing. (Prism Solution's Prism Schedule Manager) (Brief Article) (Product Announcement)
1997

1/TI, PY/8

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Metadata: the missing link. (decision-support utilities) (Technology Information)
1997

1/TI, PY/9

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

The evolution of metadata. (Enterprise C/S) (Technology Information) (Column)
1997

1/TI, PY/10

DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

No longer lost in the warehouse; Web-based navigation works to make sense of an often overwhelming data warehouse. (Prism Solutions Inc's

Web Access Module, Personal Mart Toolkit) (Product Announcement)
1997

1/TI, PY/11
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Taking stock. (closed-loop decision support systems help companies automate response to market changes) (includes related article on best practices for closing loop) (Technology Information)
1997

1/TI, PY/12
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Methodologies for the future. (data warehousing methodologies) (data warehousing directions: the next generation) (Technology Information)
1997

1/TI, PY/13
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

The toolbox is half-full. (for large data warehouses) (includes product table) (Data Warehousing Directions, part 3) (Industry Trend or Event)
1996

1/TI, PY/14
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Prism Solutions to unwrap data warehouse tuner tool. (Schedule Manager data warehousing software at the DB/Expo, May 1997) (Industry Trend or Event) (Brief Article)
1997

1/TI, PY/15
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Scalable data marts broaden warehousing market. (Prism Solutions Inc, Sagent Technology Inc team up in new reseller agreement) (Company Business and Marketing)
1997

1/TI, PY/16
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Passport eases metadata snags. (Carleton's data extraction tool) (Product Announcement) (Brief Article)
1997

1/TI, PY/17
DIALOG(R) File 275: (c) 2001 The Gale Group. All rts. reserv.

Bridging the client/server gap. (eight data migration tools) (includes product features chart) (Product Digest Supplement) (Product Information) 1997

1/TI, PY/18

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Data warehousing is the sum of its marts. (data marts and data warehouses) (includes related articles on products for building data marts and Capital One's data warehouse) (Technology Information) 1997

1/TI, PY/19

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Through a glass darkly. (data warehouse tool vendor Prism Solutions sees its stock drop nearly 71 percent since its Mar 1996 IPO) (The Ticker) (PC Week Inside) (Company Financial Information) (Column) 1997

1/TI, PY/20

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

PuLLing it all together. (CIBC and HP's Frontier, Infinity's RiskView, Kamakura Risk Manager and Redpoint Software's TotalRisk enterprise-wide risk management software and services) (Product Digest) (Product Information) 1996

1/TI, PY/21

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism provides data tracking, transformation. (Prism Solutions Inc Prism Warehouse Manager 4.4) (Brief Article) (Product Announcement) 1996

1/TI, PY/22

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism Warehouse Manager 4.4. (Prism Solutions' DBMS) (Product Announcement) (Brief Article) 1996

1/TI, PY/23

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Attention, data mart shoppers! (data mart systems are highly-focused, small data warehouses) (Mission Critical) (Technology Information) (Column) 1996

1/TI,PY/24

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

The Software 100 1996: growth surges 28% as the Internet begins to change fundamentals. (includes related articles on hardware vendors selling software, and on the survey methodology) (Industry Trend or Event)
1996

1/TI,PY/25

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

What's driving demand?(Cover Story)
1996

1/TI,PY/26

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Automating data extraction. (Carleton's Passport, Evolutionary Technologies International's Extract and Prism Solutions' Warehouse Manager data extraction tools) (Data Warehouse Architect)
(Software Review) (Evaluation) (Column)
1996

1/TI,PY/27

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism builds support unit. (Prism Solutions to extend service, support operations) (Company Business and Marketing) (Brief Article)
1996

1/TI,PY/28

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

WAREHOUSE PLUS: DATAMIND WINS RED BRICK SYSTEMS AS FIRST OEM CUSTOMER FOR ITS DATA MINING TOOLS.
1996

1/TI,PY/29

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Query, reporting, and analysis tools. (1996 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)
1996

1/TI,PY/30

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Data conversion, extraction, and migration. (1996 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)
1996

1/TI,PY/31

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Undercover agents. (includes related article on use of Planning Sciences' Gentia EIS) (Special Report: Executive Information Systems) (Industry Trend or Event)
1996

1/TI,PY/32

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Unearthing underground data. (data mining) (Technology Information) (Cover Story)
1996

1/TI,PY/33

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Silicon Graphics Intros Data Warehouse Mining Tools.
1996

1/TI,PY/34

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Ghost busting. (removing duplicate or erroneous data from enterprise DBMSes) (includes related article on data removal tools) (PC Week Executive) (Technology Information)
1996

1/TI,PY/35

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

NCR offers scalable data warehousing package. (NCR's Scalable Data Warehouse program) (Company Business and Marketing) (Brief Article)
1996

1/TI,PY/36

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

NCR RESTARTS DATA WAREHOUSE CAMPAIGN TO "PUT IT BACK INTO DATA WAREHOUSING IN A BIG WAY".
1996

1/TI,PY/37

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Building blocks of data warehouses. (integrated, best-of-breed solutions) (includes related article on companies offering total data warehouse solutions) (Technology Information) (Cover Story)

1996

1/TI, PY/38

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

PRISM SOLUTIONS RELEASES DIRECTORYMANAGER WITH IMPORTING CAPABILITY.
1996

1/TI, PY/39

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

DATA PROCESSING COMES OF AGE WITH THE DATA WAREHOUSE, BUTLERBLOOR
BELIEVES.
1995

1/TI, PY/40

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Special delivery. (delivery services use information systems to improve
operations) (includes related articles on Telocator Alphanumeric Input
Protocol and data warehousing at DHL)
1995

1/TI, PY/41

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Where has all the information gone? (building data warehouses
) (includes related article on OLAP servers) (Technology Information)
1995

1/TI, PY/42

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

SHL joins data warehouse feeding frenzy. (SHL Systemhouse Inc) (Company
Business and Marketing)
1995

1/TI, PY/43

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

The aggregate navigator. (Data Warehouse Architect) (Technology
Information) (Column)
1995

1/TI, PY/44

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Data access in the warehouse. (second of two-part series on data
warehousing) (Enterprise C/S) (Technology Information) (Column)
1995

1/TI,PY/45

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Oracle partners with warehouse vendors. (Dynamic Information Systems Corp) (Brief Article)

1995

1/TI,PY/46

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

BRIO, NOT READY TO SELL OUT TO SYBASE OR ANYONE, SEEKS TO EXPAND SALES INTO EUROPE via PARTNERS, VENTURE CAPITAL.

1995

1/TI,PY/47

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

R&O PURSUES MEGA-META DATA WITH REPOSITORY INFORMATION MODEL.

1995

1/TI,PY/48

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

SQL in Sleepytown. (the June 1995 meeting of the ANSI X3H2 Database Standards Committee in Charleston, WV) (SQL Explorer) (Column)

1995

1/TI,PY/49

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

An intelligent approach to data warehousing. (HP's Intelligent Warehouse)

1995

1/TI,PY/50

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

Business Objects, Prism ready revised data warehouse tools. (Business Objects Inc's new query and reporting software for online analytical processing queries against relational databases, and Prism Solutions Inc's Directory Manager 2.0 and Warehouse Manager 4.3) (Product Announcement)

1995

1/TI,PY/51

DIALOG(R) File 275:(c) 2001 The Gale Group. All rts. reserv.

New life for legacy applications. (includes product directory)

1995

1/TI,PY/52

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

SYBASE's WAREHOUSE ALLIANCE UP TO 50 MEMBERS, SAYS SYBASE IQ WILL
REVOLUTIONISE DATAWAREHOUSING.

1995

1/TI,PY/53

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism knows where it's at, so you don't have to. (Prism Solutions Inc's
Prism Directory Manager 1.5 data warehouse product) (Product
Announcement)

1995

1/TI,PY/54

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

DATA WAREHOUSES, FOR THAT COMPETITIVE EDGE, BUT WATCH OUT FOR OFFICE
POLITICS.

1995

1/TI,PY/55

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Warehouse Manager 4.2 speeds data warehousing. (Prism Solutions'
Warehouse Manager 4.2 database management software) (Software
Review) (Evaluation)

1995

1/TI,PY/56

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

PRISM SPEEDS UP DATA WAREHOUSING FOR ORACLE DATABASES.

1995

1/TI,PY/57

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Client/server and host app. development tools.(1995 Database Buyer's Guide
and Client/Server Sourcebook) (Buyers Guide)

1995

1/TI,PY/58

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Innovative Systems and Prism to provide warehouse solution.
(Innovative-Warehouse) (Product Announcement) (Brief Article)

1995

1/TI,PY/59

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Business Objects strikes MIS, user balance. (Business Objects SA's
BusinessObjects client/server decision support software)
1995

1/TI,PY/60

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

DB/Exo 95 Show Guide.(trade show)
1995

1/TI,PY/61

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

The database knows. (Decision Support Software becomes viable thanks to
technological advances) (Interoperability supplement)
1995

1/TI,PY/62

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Information adds value to VHA membership; software shifts focus from unit
cost to utilization management. (VHA Inc's Clinical Financial Information
System)
1995

1/TI,PY/63

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Alphabetical listings: how to use the 1995 Health Management Technology
market directory issue.
1995

1/TI,PY/64

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

PRISM SOLUTIONS AIMS DATA WAREHOUSE QUERY AND ANALYSIS TOOLS AT
NON-TECHNICAL BUSINESS MANAGERS.
1995

1/TI,PY/65

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Avoiding the query from hell: data warehouses let users ask 'what if?'
-- without bringing mission-critical systems to their knees. (what-if
scenarios and data warehouse management) (includes related article on
data warehouse tool types)
1994

1/TI, PY/66

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

RDBMS giants readying data warehouses. (Informix Software Inc, Sybase Inc) (includes related article about Prism Solutions Inc's Prism Directory Manager)

1994

1/TI, PY/67

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Parallel technology meets the warehouse; relational DBMS makers want all of very large database market.

1994

1/TI, PY/68

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Database: AT&T selects Prism Solutions for bringing data into Enterprise Information Factory. (AT&T Global Information Solutions)

1994

1/TI, PY/69

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism tool helps users create smarter queries. (Prism Solutions' Directory Manager access tool for data warehouses) (Brief Article) (Product Announcement)

1994

1/TI, PY/70

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Building the data warehouse. (includes related articles describing data warehouse components and listing a data warehouse project plan) (Cover Story) (Tutorial)

1994

1/TI, PY/71

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Super stores. (data warehousing) (includes related articles on firms focusing on data warehouses)

1994

1/TI, PY/72

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

White leads Informix into new RDBMS era. (Informix Software Inc Pres and

CEO Phillip White)
1994

1/TI,PY/73
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Decisions, decisions: users take stock of data warehouse shelves. (data warehouse concept increases in popularity, market for tools increases) (includes related article on multidimensional technology) (data access and data warehousing tools) (Buyers Guide)
1994

1/TI,PY/74
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Traveling on the trade show circuit. (overview of computer trade shows) (SQL Explorer) (Column)
1994

1/TI,PY/75
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Tools and utilities. (1994 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)
1994

1/TI,PY/76
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

DBMS suppliers struggling to deliver parallel promises.
1994

1/TI,PY/77
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Informix builds warehouse ties. (Informix Software Inc and Prism Solutions Inc partnership) (Brief Article)
1994

1/TI,PY/78
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

1994 market directory issue: more than 600 information technology company listings. (vendors of health technology-related products and services, organizations and events) (Directory)
1994

1/TI,PY/79
DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Database vendors moving battle to the tools front. (relational database management system vendors enhance their application development tools)
1994

1/TI,PY/80

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism Warehouse Manager 2.0 builds, manages data warehouse. (from Prism Solutions Inc.) (Brief Article) (Product Announcement)
1993

1/TI,PY/81

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

DSS, OLTP clash over performance; while most implementors separate, some favor DSS/OLTP cohabitation. (decision support systems and online transaction processing) (DBMS)
1993

1/TI,PY/82

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Database expert spreads message north of border. (Bill Inmon of Prism Solutions Inc.)
1993

1/TI,PY/83

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism Data Warehouse update extends DB2 support. (Prism Solutions Inc.'s Prism Warehouse Manager Release 3.5 and the Changed Data Capture module) (Product Announcement)
1993

1/TI,PY/84

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

The data warehouse: a giant step forward. (taking information access to a new level) (includes related articles on history of the data warehouse and tips on implementing a data warehouse) (The Integrated Enterprise)
1993

1/TI,PY/85

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Hitting the nail on the head. (two new HP software packages facilitate data management in distributed, multi-vendor computing environments) (includes list of companies mentioned)
1993

1/TI,PY/86

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism Solutions supports HP Open Warehouse program. (Brief Article)
1993

1/TI,PY/87

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

A data warehouse. (DB/Expo) (Bill Inmon, Vice President, Prism
Solutions) (Tutorial)
1993

1/TI,PY/88

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Warehouse gains consulting suite. (Prism Solutions Inc.'s Data
Warehouse consulting services)
1993

1/TI,PY/89

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Prism Solutions, Inc. (Companies on the Move) (Brief Article)
1992

1/TI,PY/90

DIALOG(R)File 275:(c) 2001 The Gale Group. All rts. reserv.

Information warehouses: one size does not fit all; better access to data is
the only commonality. (Analysis) (includes related article on
organizational constraints on various ways of storing end-user data)
(Large Systems)
1992

?t 1/2,ab,kwic/26,30

1/2,AB,KWIC/26

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01955953 SUPPLIER NUMBER: 18456806 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Automating data extraction. (Carleton's Passport, Evolutionary
Technologies International's Extract and Prism Solutions' Warehouse
Manager data extraction tools) (Data Warehouse Architect)
(Software Review) (Evaluation) (Column)

Kimball, Ralph

DBMS, v9, n8, p16(2)

July, 1996

DOCUMENT TYPE: Evaluation Column ISSN: 1041-5173

LANGUAGE:

English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1859 LINE COUNT: 00154

ABSTRACT: All of the three evaluated data extraction software, Carleton Corp's Passport, Evolutionary Technologies International's Extract and Prism Solutions' Warehouse Manager tools automate the 13 steps in warehouse data extraction, from reading legacy data to final publishing. Warehouse Manager leads the three products because of its warehouse awareness, and features such as the Directory Manager software. Passport follows as a close second. Extract, though powerful, comes in last because of its Unix X-Windows and Motif workstation environment and its significant learning curve. All three products use similar hardware architecture for controlling the data extraction process. All of the extraction tools do a good job of automatically performing some steps and allow some other steps to be automated with difficulty with a fair amount of programming, while the remaining steps are not at all adequately addressed by the tools.

SPECIAL FEATURES: illustration; table; chart

COMPANY NAMES: Carleton Corp.--Products; Evolutionary Technologies International Inc.--Products; Prism Solutions Inc.--Products

DESCRIPTORS: Software Multiproduct Review; DBMS

SIC CODES: 7372 Prepackaged software

TRADE NAMES: Prism Warehouse Manager (DBMS)--Evaluation; Carleton Passport for OS/2 (DBMS)--Evaluation; ETI Extract (DBMS)--Evaluation

FILE SEGMENT: CD File 275

Automating data extraction. (Carleton's Passport, Evolutionary Technologies International's Extract and Prism Solutions' Warehouse Manager data extraction tools) (Data Warehouse Architect) (Software Review) (Evaluation) (Column)

ABSTRACT: All of the three evaluated data extraction software, Carleton Corp's Passport, Evolutionary Technologies International's Extract and Prism Solutions' Warehouse Manager tools automate the 13 steps in warehouse data extraction, from reading legacy data to final publishing. Warehouse Manager leads the three products because of...

...and its significant learning curve. All three products use similar hardware architecture for controlling the data extraction process. All of the extraction tools do a good job of automatically performing some steps...

In last month's column I described the architecture of data extraction from a legacy system into a data warehouse. I described 13 steps that encompass your complete responsibility from accessing the legacy data all the way to publishing the resulting changes in the final data warehouse. These 13 steps take place every time you update your data warehouse, potentially every day. The 13 steps are:

1. Read the legacy data.
2. Decide what...

...key.

5. Create load record images.
6. Migrate the data from the mainframe to the data warehouse server.
7. Sort and re-sort the load record images to create aggregate records.
- 8...

...marketing executives from three leading extraction tool providers:

Carleton Corp., Evolutionary Technologies International (ETI), and Prism Solutions. These data extraction tool providers all aim to automate the process of accessing, transforming, and migrating data. I...
...to do on my own.

All three tools offer a similar architecture for controlling the data extraction process, shown in Figure 1 (page 18). A PC or a workstation client acts as...

...driven data mapping, information retrieval, data propagation facility designed to address complex data migration and data warehouse maintenance requirements."

* ETI Extract. ETI describes Extract as a tool suite that "selectively retrieves, transforms...

...that the product "automatically generates database creation and load control statements for the definition of data warehouse structures to the target DBMS. It also generates refresh, update, and append statements to support...

...from their outward descriptions. They all address the central problem of extracting data to a data warehouse. Following are some of the differences that stand out on closer examination.

Client Platform. Carleton...

...and the major IBM databases such as IMS, IDMS, and DB/2, as well as data warehouse DBMSs such as Red Brick, Oracle, Informix, Sybase, and others. All of the tools also...

...three vendors support the generation and execution of scripts that load data into the designated data warehouse on the target machine.

Determining What Changed in the Legacy Data and Generating New Keys...

...All of these nuances add up to a significant amount of hand-programming by the data warehouse extraction team. It appears that once you have written the custom modules for handling these...

...of the extract tools will incorporate these custom modules into the overall extraction job logic.

Building and Managing Aggregates. Although all of the tools could easily produce summary records (aggregates), none of the tools was tightly integrated with the data warehouse aggregate navigators. In my October 1995 column on aggregate navigation I remarked that navigators ... Intelligent Warehouse generated some very interesting metadata describing which aggregates should be built to improve data warehouse performance. In that column I stated that there was no immediate link to the extraction tools for automatically building these suggested aggregates. Nine months later, this still appears to be the case.

Interfacing to...

...three tools directly launches quality assurance applications on the final loaded data in the target data warehouse. Such a quality assurance application would count various buckets in the newly loaded data and...

...details, I came away feeling that the extraction tools were very good at automating "linear" data extraction and transformation, where a very complicated switch-board-like application may be needed to shuffle...

...a DBMS. However, the tools still have a way to go before they become the data warehouse DBA's best friend. The nightly data load consists of all 13 steps, and these...

...Gets the Nod

Of the three vendors, Prism gets the nod for being the most data warehouse aware, both in its literature and in its product features, especially with Prism's new...

...512-327-6994 or fax 512-327-6117; <http://www.evtech.com>;
information@evtech.com.

* Prism Solutions Inc., 1000 Hamlin Ct., Sunnyvale, CA 94089;
408-752-1888 or fax 408-752-1875...

....former CEO of Red Brick Systems. He now works as an independent consultant designing large data warehouses. His book The Data Warehouse Toolkit: How to Design Dimensional Data Warehouses (Wiley, 1996) is now available. You can reach Ralph through his Internet Web page at...

...COMPANY NAMES: Prism Solutions Inc
19960700

1/2, AB, KWIC/30

DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01944258 SUPPLIER NUMBER: 18315422 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Data conversion, extraction, and migration. (1996 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)

DBMS, v9, n6, p48(2)

June 15, 1996

DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1903 LINE COUNT: 00167

ABSTRACT: A buyer's guide of 14 data conversion, migration and extraction software tools is presented. Information presented includes a brief description of each product, pricing information, information on operating systems and other software supported, the vendor's location, and a telephone number and World Wide Web address, when available, for each vendor. The products discussed include a set of tools that automates application conversion, a tool that translates text-based data into over 30 spreadsheet and database formats, a product that takes data from various sources and extracts, enhances and consolidates it to various targets, and a data reengineering tool that moves data from legacy systems to customer information systems, data warehouses and client/server databases.

DESCRIPTORS: Software Buyers' Guide; DBMS; DBMS Utility

SIC CODES: 7372 Prepackaged software

FILE SEGMENT: CD File 275

...ABSTRACT: and a data reengineering tool that moves data from legacy systems to customer information systems, data warehouses and client/server databases.

... IMS and DB2 databases. Satisfying key requirements for database

migration and coexistence, it helps customers build information warehouses or assists them in migrating from IMS to DB2, either on centralized mainframes...

...environments. Its extensible data manipulation capabilities, code-generation technology, and customized implementation methodology let users populate and maintain data warehouses, move to new architectures, integrate heterogeneous systems, and migrate data to new databases, platforms, and...

...consolidated view of customers, vendors, and other business entities. Information can then be migrated to data warehouses, customer information systems, and client/server databases. Provides a toolkit and methodology to automate the...While investigating and fixing legacy data, the product will also surface business information needed to build and validate a data model. \$150-\$225,000 on IBM MVS mainframes. Reader service #357...

...and varies depending on CPU. <http://www.platinum.com>. Reader service #358.

Prism Change Manager Prism Solutions Inc., Sunnyvale, CA
408-752-1888; 800-995-2928

Automates data warehouse maintenance by capturing, transforming, and applying changed data to the data warehouse. Captures current or near-current changed data from fields that were used as source files for the data warehouse, including DB2, Enscribe, IMS, NonStop SQL, and Oracle. Uses the log tapes as a source...

...and transformation logic needed to apply changed data from the log tapes to the target data warehouse. Automates the integration, summarization, filtering, and conversion of data into the warehouse according to warehouse ...

...reflects the time variance and transformation of the data used to refresh or enhance the data warehouse. Runs on a 486 PC workstation under Windows or OS/2. Pricing starts at \$80,000. Reader service #359.

Prism Warehouse Manager 4.3 Prism Solutions Inc., Sunnyvale, CA
408-752-1888; 800-995-2928

Provides the foundation for building and maintaining a data warehouse. Generates programs to extract operational data and external data from source databases, integrates the data...

19960615
?t 1/9/26,30

1/9/26

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

01955953 SUPPLIER NUMBER: 18456806 (THIS IS THE FULL TEXT)
Automating data extraction. (Carleton's Passport, Evolutionary
Technologies International's Extract and Prism Solutions' Warehouse
Manager data extraction tools) (Data Warehouse Architect)
(Software Review) (Evaluation) (Column)

Kimball, Ralph

DBMS, v9, n8, p16(2)

July, 1996

DOCUMENT TYPE: Evaluation Column ISSN: 1041-5173 LANGUAGE:

English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1859 LINE COUNT: 00154

ABSTRACT: All of the three evaluated data extraction software, Carleton Corp's Passport, Evolutionary Technologies International's Extract and Prism Solutions' Warehouse Manager tools automate the 13 steps in warehouse data extraction, from reading legacy data to final publishing. Warehouse Manager leads the three products because of its warehouse awareness, and features such as the Directory Manager software. Passport follows as a close second. Extract, though powerful, comes in last because of its Unix X-Windows and Motif workstation environment and its significant learning curve. All three products use similar hardware architecture for controlling the data extraction process. All of the extraction tools do a good job of automatically performing some steps and allow some other steps to be automated with difficulty with a fair amount of programming, while the remaining steps are not at all adequately addressed by the tools.

TEXT:

RALPH REVIEWS CARLETON PASSPORT, ETI EXTRACT, AND PRISM WAREHOUSE MANAGER.

In last month's column I described the architecture of data extraction from a legacy system into a data warehouse. I described 13 steps that encompass your complete responsibility from accessing the legacy data all the way to publishing the resulting changes in the final data warehouse. These 13 steps take place every time you update your data warehouse, potentially every day. The 13 steps are:

1. Read the legacy data.
2. Decide what changed.
3. Generalize keys for slowly changing dimensions.
4. Combine separate sources under each record key.
5. Create load record images.
6. Migrate the data from the mainframe to the data warehouse server.
7. Sort and re-sort the load record images to create aggregate records.
8. Generalize keys for aggregate records.
9. Bulk load all the records with referential integrity turned on.
10. Process load exceptions.
11. Index the newly loaded records.
12. Quality assure the data load.
13. Publish.

During the last month, I have studied the product literature and talked to the marketing executives from three leading extraction tool providers: Carleton Corp., Evolutionary Technologies International (ETI), and Prism Solutions. These data extraction tool providers all aim to automate the process of accessing, transforming, and migrating data. I have tried to take an IS user's perspective in judging what they do and how well their tools map to my overall tasks and worries. As you will see, these tools automate a number of the most difficult tasks in my list of 13 steps, but they also leave me with a lot of messy work to do on my own.

All three tools offer a similar architecture for controlling the data extraction process, shown in Figure 1 (page 18). A PC or a workstation client acts as the controller for the extraction process. In the most typical configuration, the client PC generates Cobol programs and associated JCL or an IBM host that reads and manipulates source data, and prepares the data for migration and loading into a target DBMS on another machine. All three systems rely extensively on metadata to describe the source and target databases, and control the running of the extract process. The flagship products from these three vendors include:

- * Carleton Passport. Carleton describes Passport as a "metadata-driven data mapping, information retrieval, data propagation facility designed to address complex data migration and data warehouse maintenance requirements."

- * ETI Extract. ETI describes Extract as a tool suite that "selectively retrieves, transforms, and moves high volumes of data from any database or file format to any other, regardless of the hardware/software."

- * Prism Warehouse Manager. Prism states that the product "automatically generates database creation and load control statements for the definition of data warehouse structures to the target DBMS. It also generates refresh, update, and append statements to support ongoing maintenance."

Detecting the Differences

One of the challenges an IS consumer faces is that it is difficult to tell the differences among these three products from their outward descriptions. They all address the central problem of extracting data to a data warehouse. Following are some of the differences that stand out on closer examination.

Client Platform. Carleton and Prism run on Windows 3.1 and OS/2 PCs, while ETI runs only on Unix workstations running X-Windows and Motif.

Host Platforms. All three tools sport a long list of IBM mainframe systems, Unix-flavor DBMSs, and diverse data file formats that they can read from and write to. The lists include sequential file formats and the major IBM databases such as IMS, IDMS, and DB/2, as well as data warehouse DBMSs such as Red Brick, Oracle, Informix, Sybase, and others. All of the tools also navigate the mainframe sources with the help of data repositories and mainframe data dictionaries such as the Platinum Repository from Platinum Technology Inc. and the Predict Repository from Software AG of North America Inc. Although each of the extraction tool vendor's lists certainly differs in detail, the message from all three vendors is similar: Each supports many diverse source file formats.

Metadata Storage. Carleton and Prism store their metadata in whatever DBMS the user wishes. ETI stores its data only in an internal format on the Unix workstation.

Merging Multiple Data Sets. All three tools stress how well their tools read from multiple inputs, and write to multiple outputs, in a single execution pass.

Support for Data Loading. All three vendors support the generation and execution of scripts that load data into the designated data warehouse

on the target machine.

Determining What Changed in the Legacy Data and Generating New Keys. Prism is the only vendor that tackles this problem head on. The Prism Change Manager automatically handles timestamped mainframe database records and mainframe transaction log files. However, if your legacy system provides no direct clues as to what has changed (say, in a master product list), then all three extraction tools leave you with a manual programming job to compare today's legacy data with a scratch copy from yesterday, and then decide what to do with newly inserted, deleted, or changed records. Additionally, if you are confronted with a "slowly changing dimension" (see my April 1996 column, page 18) where the legacy system has overwritten one or more of the product attributes (for example), then you are on your own if you decide to generalize the production key and keep both the old and new descriptions of the product. All of these nuances add up to a significant amount of hand-programming by the data warehouse extraction team. It appears that once you have written the custom modules for handling these comparison steps and key generation steps, all three of the extract tools will incorporate these custom modules into the overall extraction job logic.

Building and Managing Aggregates. Although all of the tools could easily produce summary records (aggregates), none of the tools was tightly integrated with the data warehouse aggregate navigators. In my October 1995 column on aggregate navigation I remarked that navigators such as HP's Intelligent Warehouse generated some very interesting metadata describing which aggregates should be built to improve data warehouse performance. In that column I stated that there was no immediate link to the extraction tools for automatically building these suggested aggregates. Nine months later, this still appears to be the case.

Interfacing to Query Tool Metadata. Prism and Carleton provide useful interfaces to end users at query time through the Prism Directory Manager and Carleton's End User Browsing facility in Passport.

Handling Load Exceptions. None of the three tools directly controls the target DBMS data load process and watches over the exceptions that result from referential-integrity violations. However, in fairness to the vendors, they all said that they would rather check for referential integrity much earlier in the extraction process than the final DBMS load. All three tools can validate key values. It was unclear how automated this capability is.

Quality Assuring (QA) the Final Load. None of the three tools directly launches quality assurance applications on the final loaded data in the target data warehouse. Such a quality assurance application would count various buckets in the newly loaded data and check for reasonableness. For instance, if the data load was supposed to represent a large retail chain with 300 stores, then a simple QA check would count the number of stores in yesterday's data. If the first check passed, then the overall number of products could be checked. If this second check passed, then a matrix of the number of products by each store could be checked. Another check would be the total sales volume in both units and dollars, first for the chain as a whole, and then by each store. If all these numbers fell within specified QA upper and lower bounds, then the "publisher" DBA would be fairly confident that the load was of high quality, and the users could trust the content.

Stepping back from the details, I came away feeling that the extraction tools were very good at automating "linear" data extraction and transformation, where a very complicated switch-board-like application may be needed to shuffle data out of well-understood legacy sources and rearrange it into target files for loading into a DBMS. However, the tools

still have a way to go before they become the data warehouse DBA's best friend. The nightly data load consists of all 13 steps, and these steps have to be performed in as automated a way as possible. A perfect data load should run all the way to completion without any human intervention.

The extraction tools all do a good job of automating steps 1, 4, 5, and 6. With a fair amount of explicit programming, the tools can also automate steps 2, 3, 7, and 8. If step 9 (referential integrity) is moved up much earlier in the process, most of it can be subsumed by the extraction tools as well. This still leaves the DBA on his or her own with steps 10, 11, 12, and 13. To summarize, about one third of the process (4 steps out of 13) is exactly what the extraction doctor ordered. Another third of the steps (4 or perhaps 5 out of 13) can be automated with some difficulty and maybe a fair amount of programming. The last third is not well addressed by today's extraction tools, and the DBA is left with constructing an ad hoc process.

Prism Gets the Nod

Of the three vendors, Prism gets the nod for being the most data warehouse aware, both in its literature and in its product features, especially with Prism's new Directory Manager software. Prism also benefits from the contributions of one of its founders, Bill Inmon, the father of data warehousing. Carleton is close behind and is clearly competing head to head with Prism. ETI has a reputation for having an extremely powerful product, but according to users I have talked to, it requires a significant learning curve to use effectively. Additionally, ETI imposes the burden of requiring a Unix X-Windows and Motif workstation environment for developing the control programs, rather than the ostensibly more familiar Intel platforms.

* Carleton Corp., 3 New England Executive Park, Burlington, MA 01803; 017-272-4310 or fax 617-272-2010; <http://www.carleton.com>.

* Evolutionary Technologies International, 4301 Westbank Dr., Austin, TX 78746; 512-327-6994 or fax 512-327-6117; <http://www.evtech.com>; information@evtech.com.

* Prism Solutions Inc., 1000 Hamlin Ct., Sunnyvale, CA 94089; 408-752-1888 or fax 408-752-1875; <http://www.prismsolutions.com>.

Ralph Kimball was co-inventor of the Xerox Star workstation, the first commercial product to use mice, icons, and windows. He was vice president of applications at Metaphor Computer Systems and is the founder and former CEO of Red Brick Systems. He now works as an independent consultant designing large data warehouses. His book *The Data Warehouse Toolkit: How to Design Dimensional Data Warehouses* (Wiley, 1996) is now available. You can reach Ralph through his Internet Web page at <http://www.rkimball.com>.

COPYRIGHT 1996 M&T Publishing Inc.

SPECIAL FEATURES: illustration; table; chart

COMPANY NAMES: Carleton Corp.--Products; Evolutionary Technologies International Inc.--Products; Prism Solutions Inc.--Products

DESCRIPTORS: Software Multiproduct Review; DBMS

SIC CODES: 7372 Prepackaged software

TRADE NAMES: Prism Warehouse Manager (DBMS)--Evaluation; Carleton Passport for OS/2 (DBMS)--Evaluation; ETI Extract (DBMS)--Evaluation

FILE SEGMENT: CD File 275

1/9/30

DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01944258 SUPPLIER NUMBER: 18315422 (THIS IS THE FULL TEXT)
Data conversion, extraction, and migration. (1996 Database Buyer's Guide and
Client/Server Sourcebook) (Buyers Guide)
DBMS, v9, n6, p48(2)
June 15, 1996
DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1903 LINE COUNT: 00167

ABSTRACT: A buyer's guide of 14 data conversion, migration and extraction software tools is presented. Information presented includes a brief description of each product, pricing information, information on operating systems and other software supported, the vendor's location, and a telephone number and World Wide Web address, when available, for each vendor. The products discussed include a set of tools that automates application conversion, a tool that translates text-based data into over 30 spreadsheet and database formats, a product that takes data from various sources and extracts, enhances and consolidates it to various targets, and a data reengineering tool that moves data from legacy systems to customer information systems, data warehouses and client/server databases.

TEXT:

Convert Series Forecross Corp., San Francisco, CA 415-543-1515

A family of migration software tools that automate application conversion, including programs database definitions, and data, Convert IDMS-DB converts application from IDMS to SQL. Products include Convert/IDMS-DB-to-DB2, Convert/IDMS-DB-to-Oracle, Convert/IDMS-DB-to-Sybase, and Convert/IDMS-DB-to-Informix. Each operates in mainframe, OS/2, or Unix environments and automates schema, data, and program conversion. Convert/ADSO automates conversion of programs, OLM maps, edit and code tables, ADSA tables, and Include modules from ADSO to Cobol/CICS. Convert/IDMS-DC migrates program, OLM maps, edit and code tables, and Copy modules from IDMS-DC to produce functionally equivalent CICS command-level Cobol IDMS-DB programs with BMS screens. Convert/CSP-to-Cobol automates migration of all CSP application components to Cobol II programs and maps that operate in batch and CICS online environments. Convert/VSAM automata application migration from VSAM to SQL. Products include Convert/VSAM-TO-DB2, Convert/VSAM-to-Oracle, Convert/VSAM-to-Sybase, and Convert/VSAM-to-Informix. All application components are addressed. Convert Series products operate in IBM mainframe, OS/2, and Unix environments. Pricing starts at \$50,000, and depends on the size of the portfolio. Reader service #349.

CW-Deploy Cast Software Inc., San Francisco, CA 415-296-1300

Automates the process of moving changes from a development server to a production server by extracting, analyzing, and re-ordering scripts. If changes include table modifications, CW-Deploy can automatically insert code to BCP OUT and BCP IN data when the script updates the production server. It extracts database definitions into a file that contains the scripts necessary to recreate the database. Extracted objects include: tables, rules, triggers, stored procedures, views, indexes, defaults, keys, users, permissions, and more. It offers "release control" by allowing sets of objects to be selected, named, and extracted as a release; and it can

extract and recreate multidatabase scripts. CW-Deploy can also be useful when importing test data. It can use a line-by-line insertion that allows versatile error handling. Invalid records are transferred into an error log. Runs on Windows 3.11, Windows NT, and Windows 95. \$2000. Reader service #350.

DataImport 4.0 for Windows Spalding Software Inc., Norcross, GA
770-449-0594

Translates text-based data from any source into more than 30 database and spreadsheet formats, including Access, Paradox, Excel, and DBASE applications. Users can get the data they want out of mainframe reports and data dumps, print-to-disk files, downloaded information, email, or any other text file accessible on a PC. Compiles data from diverse sources into single or multiple databases: mainframe data, textbased reports, Internet information downloads, product listings, or phone-system logs. Handles data in columnar, record-per-page, and other formats, with output to native format files and appending to existing database and spreadsheet files. Online demo available on Compuserve (Compuserve: GO SPALDING, Lib 2, filename:diwtd.zip). <http://www.spaldingsoft.com>. Reader service #351.

DataPropagator Non-Relational IBM Software Solutions, Somers, NY
520-574-4600; 800-426-3333

Provides bidirectional change propagation between IMS and DB2 databases. Satisfying key requirements for database migration and coexistence, it helps customers build information warehouses or assists them in migrating from IMS to DB2, either on centralized mainframes or in distributed client/server environments. Operates in MVS. Reader service #353.

DataPropagator Relational IBM Software Solutions, Somers, NY
520-574-4600; 800-426-3333

Provides the ability to automatically copy data between IBM'S family of relational databases. Its design supports a refresh copy approach (replacing the entire copy from the source) for bulk loading or infrequent copy requests, and an update copy approach (applying changes since the last update) for large tables or frequent copying. Operates in MVS, OS/2, OS/400, AIX, and VM environments. Reader service #352.

DataRefresher IBM Software Solutions, Somers, NY 520-574-4600;
800-426-3333

Provides extraction, enhancement, and consolidation of data from many different sources to many different targets. Most important is the product's ability to bring legacy production data from IMS DB, VSAM, and sequential files into a DB2 relational database environment for subsequent decision support and usage. Operates in OS/2, MVS, and VM. Reader service #354.

DataSync Syware Inc., Cambridge, MA 617-497-1376

General-purpose product for replicating and synchronizing relational databases. Replicates data to remote or mobile computers, allows the source data and copies to be updated independently, and keeps the source and copies consistent and up-to-date. <http://www.syware.com>. Reader service #355.

ETI*Extract Tool Suite Evolutionary Technologies International,
Austin, TX 512-327-6994

Lets users automate and expedite the migration of data between dissimilar storage environments. Its extensible data manipulation capabilities, code-generation technology, and customized implementation methodology let users populate and maintain data warehouses, move to new architectures, integrate heterogeneous systems, and migrate data to new databases, platforms, and applications. Supports data migration from virtually any platform, operating system, and DBMS to any other

environment, including proprietary systems. A metadata facility lets users access, export, and merge metadata. Features include: versioning capabilities; a Motif-style graphical interface that lets users indicate how to move data, through simple point-and-click interaction; an OO internal storage facility; a workset facility that enables concurrent multiuser access, definable security, and data-integrity protection; and a flexible reporting utility with query options for key functions such as change impact analysis. Runs on Unix-based systems including Sun SPARC-stations (Solaris), IBM RS/6000 (AIX) and HP 9000s and can be used on any platform that can run X-windows. Pricing starts at \$250,000. <http://www.evtech.com>. Reader service #356.

Integrity Vality Technology Inc., Boston, MA 617-338-0300

A data reengineering tool that transforms legacy data from multiple sources into a consolidated view of customers, vendors, and other business entities. Information can then be migrated to data warehouses, customer information systems, and client/server databases. Provides a toolkit and methodology to automate the investigation, standardization, transformation, and integration of large volumes of data. Works below the metadata level, operating on every data value or record occurrence, to identify data values that stray from their metadata field descriptions; to parse and gain "addressability" to multiple entities hidden in text fields (an absolute prerequisite for effective matching and consolidation); and to locate and match related entities, attributes, and relationships across millions of records. Provides insurance against information system failure from erroneous, inaccessible, and improperly consolidated information. Decomposes, rebuilds, and consolidates legacy data, and constructs tables according to an organization's business rules and requirements, thereby finding and preserving complex relationships between entities and simplifying mapping to the target database. For many users, it obviates the need for any data propagation tool beyond a database extract/load utility. While investigating and fixing legacy data, the product will also surface business information needed to build and validate a data model. \$150-\$225,000 on IBM MVS mainframes. Reader service #357

Platinum InfoTransport Platinum Technology Inc., Oakbrook Terrace, IL 708-620-5000

A high-speed tool for moving data from MVS sources (DB2, IMS, VSAM, and sequential files) to PC-, Unix-, and LAN-based servers (DB2 for OS/2, DB2 for AIX, Sybase SQL Server, Microsoft SQL Server, Informix, and Oracle). The product helps organizations implement distributed data processing in heterogeneous environments, without requiring expensive gateways, intermediate servers, custom conversion code, or massive processing overhead. Supports Windows 3.1, OS/2 2.1, or 3270 terminal for the client; and MVS(ESA 4.2 or IBM TCP/IP for MVS for the server. Pricing starts at \$15,300 and varies depending on CPU. <http://www.platinum.com>. Reader service #358.

Prism Change Manager Prism Solutions Inc., Sunnyvale, CA 408-752-1888; 800-995-2928

Automates data warehouse maintenance by capturing, transforming, and applying changed data to the data warehouse. Captures current or near-current changed data from fields that were used as source files for the data warehouse, including DB2, Enscribe, IMS, NonStop SQL, and Oracle. Uses the log tapes as a source, and captures only relevant changed records via offline and unattended execution, thereby protecting the performance of production systems. Provides the extraction and transformation logic needed to apply changed data from the log tapes to the target data warehouse. Automates the integration, summarization, filtering, and conversion of data into the warehouse according to warehouse

development specifications. Then generates a program to append, replace, insert, or delete one or more rows in the target DBMS. Supported target databases include: DB2, Informix, NonStop SQL, Oracle, Rdb, Sybase, and Teradata. Documents the maintenance process by collecting technical metadata related to the refreshment process. The metadata reflects the time variance and transformation of the data used to refresh or enhance the data warehouse. Runs on a 486 PC workstation under Windows or OS/2. Pricing starts at \$80,000. Reader service #359.

Prism Warehouse Manager 4.3 Prism Solutions Inc., Sunnyvale, CA 408-752-1888; 800-995-2928

Provides the foundation for building and maintaining a data warehouse. Generates programs to extract operational data and external data from source databases, integrates the data from the various sources, and then transforms and loads the integrated data to a choice of target databases on mainframe and client/server platforms. An extensive selection of built-in transformations let users perform the data conversions, summarizations, key changes, structural changes, and condensations needed to create an historical perspective of information. Runs on a 486 PC workstation under Windows or OS/2. Supported source databases include: DB2, Decision DB, Informix, Nonstop SQL Oracle, Rdb, Red Brick Warehouse, Sybase, and Teradata. Supported target databases include: DB2, MVS, DB2/400 Enscribe, IDMS, IMS Informix, MVS Sequential files, Nonstop SQL, Oracle, Rdb, RMS, SAP R/3, Sybase, Teradata, Unix Sequential files, and VSAM as the source database. Pricing starts at \$130,000. Reader service #360.

Raosoftware Raosoftware Inc., Seattle, WA 206-525-4025

A system for administering runtime data handling via mail-out disks, networks, bulletin-boards, and kiosks. Lets user's customize runtime programs. Data going downstream and upstream can be consolidated at different levels for independent entry or analysis by different organizations. Lets users block sensitive information from being seen by specific organizations. Gathering and reporting is menu-driven, so non-experts can administer the survey. Includes some basic database management features. Used for headquarters and offsite analysis of distributed organizations. <http://www.raosoftware-coamosoft/>. Reader service #361.

tRelational/DPS Treehouse Software Inc., Sewickley, PA 412-741-1677

An Adabo-to-RDBMS data propagation system. Materializes RDBMS tables with transform Adabas data. As updates are made to Adabas data and recorded on the Adabas Protection Log, DPS extracts the relevant changes, transforms them into a relational format, and applies them to the RDBMS. The tRelational Adabas-to-RDBMS migration software is included with DPS to handle mapping and transformation functions. tRelational and DPS support major RDBMSs such as Sybase, Oracle, Informix, and DB2 as targets of replication, and Adabas as the source of replication. <http://www.treehouse.com>. Reader service #362.

COPYRIGHT 1996 M&T Publishing Inc.

DESCRIPTORS: Software Buyers' Guide; DBMS; DBMS Utility

SIC CODES: 7372 Prepackaged software

FILE SEGMENT: CD File 275

?t 1/2,ab,kwic/35,49,50,55,56,64,70,83,86,87

1/2,AB,KWIC/35
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01923325 SUPPLIER NUMBER: 18179823 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR offers scalable data warehousing package. (NCR's Scalable Data
Warehouse program) (Company Business and Marketing) (Brief Article)
Rauber, Chris
PC Week, v13, n14, p14(1)
April 8, 1996
DOCUMENT TYPE: Brief Article ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 259 LINE COUNT: 00025

COMPANY NAMES: NCR Corp.--Product development
DESCRIPTORS: Company Product Planning
PRODUCT/INDUSTRY NAMES: 3573000 (Computers & Auxiliary Equip)
SIC CODES: 3571 Electronic computers
TICKER SYMBOLS: NCR
FILE SEGMENT: CD File 275

NCR offers scalable data warehousing package. (NCR's Scalable Data
Warehouse program) (Company Business and Marketing) (Brief Article)
NCR has launched an integrated package of software, hardware, and
services to enable businesses to build data warehouses by starting
small.

The Dayton, Ohio, company's Scalable Data Warehouse program
includes a selection of options that lets customers start with a \$30,000
prototype...

...NCR's traditional approach, which involves enterprise-level data
warehousing. Four out of every five data warehouse customers want to
start small and then expand, NCR officials said.

The data warehouse program is built around NCR's Teradata Version
2 DBMS for Unix, which runs on...

...Inc., Microsoft Corp., and Sybase Inc., officials said.

Other companies partnering with NCR on its data warehouse program
include Andyne Computing Ltd., Business Objects Inc., Carleton Corp.,
Evolutionary Technologies Inc., Holistic Systems Inc., Kenan Technologies,
MicroStrategy Inc., Powersoft Corp., Prism Solutions Inc., Red Brick
Systems Inc., and Software AG.

"They're trying to have an organized...

19960408

1/2,AB,KWIC/49
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01848349 SUPPLIER NUMBER: 17516609 (USE FORMAT 7 OR 9 FOR FULL TEXT)
An intelligent approach to data warehousing. (HP's Intelligent Warehouse)
Menninger, Dave
Data Based Advisor, v13, n9, p46(3)
Oct, 1995
ISSN: 0740-5200 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1346 LINE COUNT: 00113

ABSTRACT: HP's Intelligent Warehouse (HPIW) uses a unique approach to data warehouse creation and management that focuses on data access. The primary component is the Intelligent Warehouse Hub server process running under HP-UX; it includes meta data used to direct queries to the physical data stores. The data stores can be multiple databases residing on multiple machines and managed by multiple vendors, or a single database on the same machine as the Hub itself. HPIW requires that a data warehouse already exist; it is intended solely to help optimize the warehouse and provides no data storage and retrieval functions. Warehouse queries are directed to the Hub through an ODBC driver; the SQL is parsed by the Hub and evaluated relative to the meta data about the warehouse, and the queries are directed to the warehouse databases, with results consolidated in the Hub for presentation to users.

SPECIAL FEATURES: illustration; chart

COMPANY NAMES: Hewlett-Packard Co.--Products

DESCRIPTORS: Product Information; Product Description/Specification; DBMS ; Database Design; Data Warehousing

SIC CODES: 7372 Prepackaged software

TICKER SYMBOLS: HWP

TRADE NAMES: HP Intelligent Warehouse (DBMS)--Design and construction

FILE SEGMENT: CD File 275

ABSTRACT: HP's Intelligent Warehouse (HPIW) uses a unique approach to data warehouse creation and management that focuses on data access. The primary component is the Intelligent Warehouse...

...a single database on the same machine as the Hub itself. HPIW requires that a data warehouse already exist; it is intended solely to help optimize the warehouse and provides no data...

TEXT:

There are many approaches to data warehousing since there's no such "thing" as a data warehouse --it's not a product, but rather a concept. You can build your own data warehouse using whatever tools you have at your disposal. To build an entire data warehouse from scratch, including all the relevant utilities, is a significant undertaking. (See Client-server Developer...

... Standard tools

If you're familiar with data warehousing tools, you've probably heard of Prism Solutions. They're the "granddaddy" of this relatively young segment of the market. Their product, Prism Warehouse Manager, focuses on data extraction, consolidation, and transformation of data from operational systems to the warehouse database. Other vendors in...

...Red Brick, and Praxis. Still many others have focused on the front end. Since the data warehouse is not a product (or at least not a single product), it has been somewhat...

...server process running under HP-UX, Hewlett-Packard's version of UNIX. The Hub is populated with meta data that's used to direct queries to the physical data stores. These...exists, one could be created as needed.

Conclusion

While it wasn't particularly easy to build all the meta data necessary to support HP's Intelligent Warehouse, it does represent a complete treatment of the subject. HPIW is not a data warehouse itself,

nor is it an end-user tool to access the warehouse. It can be used with many of the popular warehouse tools on the market today, including data extraction and transformation tools, DBMSs, and front-end tools.

More importantly, studying HPIW helps you understand the magnitude of what is needed to create and manage a data warehouse. HPIW also represents a unique approach to the problem of data warehousing. Rather than focusing...

...warehouse or holding all that data, HPIW adds value to the process of using a data warehouse. It adds value for the user by delivering speedy responses to queries, and it adds...

19951000

1/2, AB, KWIC/50

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

01845844 SUPPLIER NUMBER: 17588077

Business Objects, Prism ready revised data warehouse tools. (Business Objects Inc's new query and reporting software for online analytical processing queries against relational databases, and Prism Solutions Inc's Directory Manager 2.0 and Warehouse Manager 4.3) (Product Announcement)

Cole, Barb

Network World, v12, n39, p57(2)

Sep 25, 1995

DOCUMENT TYPE: Product Announcement

ISSN: 0887-7661

LANGUAGE:

English

RECORD TYPE: Abstract

ABSTRACT: Business Objects Inc introduces a new version of its Business Objects query and reporting software for online analytical processing (OLAP) queries against relational databases, and Prism Solutions Inc introduces version 2.0 of its Directory Manager and version 4.3 of its Warehouse Manager packages for integrating several data types in a data warehouse. The new Business Objects release, code-named Mercury, uses a dynamic microcube engine client-based facility for building a multidimensional view of relational data simultaneous with users making queries. Tools will be included for streamlining the setup, deployment, and administration of decision support applications. Directory Manager 2.0 combines business and technical metadata into a single Information Directory that is used to find and manage warehoused data. Warehouse Manager 4.3 is used to move data from multiple database systems and applications into a data warehouse.

SPECIAL FEATURES: illustration; table

COMPANY NAMES: Business Objects Inc.--Product introduction; Prism Solutions Inc.--Product introduction

DESCRIPTORS: Software Product Introduction; DBMS; Database Access Software

PRODUCT/INDUSTRY NAMES: 7372420 (Database Mgmt Software Pkgs (Micro)); 7372203 (Database Mgmt Software Pkgs)

SIC CODES: 7372 Prepackaged software

TRADE NAMES: BusinessObjects (Database access software)--Product enhancement; Prism Directory Manager 2.0 (Database access software)--Product introduction; Prism Warehouse Manager 4.3 (DBMS)--Product

introduction

FILE SEGMENT: CD File 275

Business Objects, Prism ready revised data warehouse tools. (Business Objects Inc's new query and reporting software for online analytical processing queries against relational databases, and Prism Solutions Inc's Directory Manager 2.0 and Warehouse Manager 4.3) (Product Announcement)

...ABSTRACT: Objects query and reporting software for online analytical processing (OLAP) queries against relational databases, and Prism Solutions Inc introduces version 2.0 of its Directory Manager and version 4.3 of its Warehouse Manager packages for integrating several data types in a data warehouse. The new Business Objects release, code-named Mercury, uses a dynamic microcube engine client-based facility for building a multidimensional view of relational data simultaneous with users making queries. Tools will be included...

...technical metadata into a single Information Directory that is used to find and manage warehoused data. Warehouse Manager 4.3 is used to move data from multiple database systems and applications into a data warehouse.

...COMPANY NAMES: Prism Solutions Inc
19950925

1/2,AB,KWIC/55

DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01817297 SUPPLIER NUMBER: 17389512 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Warehouse Manager 4.2 speeds data warehousing. (Prism Solutions'
Warehouse Manager 4.2 database management software) (Software
Review) (Evaluation)
Mitchell, Lori
PC Week, v12, n30, p61(2)
July 31, 1995
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1270 LINE COUNT: 00119

ABSTRACT: Prism Solutions ' Warehouse Manager 4.2 database management software is an effective product for transferring data from legacy systems and increasing development productivity. The easily installed product creates and maintains JCL and COBOL code automatically to speed the data transfer process. Also, Warehouse Manager 4.2 offers time saving features that allow reusing Warehouse Manager code, creating User Exits subroutines and renaming table fields. The product's administration tools are easily utilized to provide a framework for a data warehouse. Documenting the database development is easily supported by the product's efficient layout report generation. The software, available only in DOS or Windows, supports more source than target databases. Warehouse Manager is priced from \$130,000 to \$150,000 and includes a three-day training program. Users will find the training helpful as well as on-line support.

SPECIAL FEATURES: illustration; other

COMPANY NAMES: Prism Solutions Inc.--Products
DESCRIPTORS: Software Single Product Review; DBMS
PRODUCT/INDUSTRY NAMES: 7372420 Database Mgmt Software Pkgs (Micro)
SIC CODES: 7372 Prepackaged software
TRADE NAMES: Warehouse Manager 4.2 (DBMS)--Evaluation
FILE SEGMENT: CD File 275

Warehouse Manager 4.2 speeds data warehousing. (Prism Solutions'
Warehouse Manager 4.2 database management software) (Software
Review) (Evaluation)

ABSTRACT: Prism Solutions ' Warehouse Manager 4.2 database management
software is an effective product for transferring data from...

...fields. The product's administration tools are easily utilized to
provide a framework for a data warehouse . Documenting the database
development is easily supported by the product's efficient layout report
generation...

TEXT:

Warehouse Manager 4.2, Prism Solutions Inc., Sunnyvale, CA, (800)
955-2928, (408) 752-1888

... subroutines

- * input/output table attributes
- * Reads DB2 data directly
- * Ability to rename table fields
- * Meta data extraction
- * Copy and duplicate utilities
- * Warehouse Update option

Buyer's Advisory: Warehouse Manager 4.2, Prism solutions Inc.

Pros: Increased productivity; schema and field-definition Capture
features decrease COBOL and JCL code...

...developers who want to decrease the time required to extract data from
legacy systems to data warehouses should consider Warehouse Manager
4.2. However, those on a budget may want to consider...

...and on-line help

GOOD

Documentation

FAIR

Corporate developers looking for a solution to speed data
extraction from legacy systems to data warehouses should consider
Prism Solutions Inc.'s Warehouse Manager 4.2. This product automates the
painstaking task of creating and...

...tools. However, those who want to display objects from CASE tools as
well as from Prism Solutions ' product will need to purchase a \$35,000
companion product.

Directory Manager displays both technical...

...use the generated COBOL code in extracting data from source legacy
databases and create a data warehouse on target databases.

Administration

Warehouse Manager's administration tools were easy to use, leading us

...

...network access.

Output

In addition to Warehouse Manager's ability to produce COBOL code for data extraction from legacy systems, Version 4.2 also produces detailed layout reports. The product's code...

COMPANY NAMES: Prism Solutions Inc...
19950731

1/2,AB,KWIC/56
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01807643 SUPPLIER NUMBER: 17299974 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PRISM SPEEDS UP DATA WAREHOUSING FOR ORACLE DATABASES.
Computergram International, pCGN07170008
July 17, 1995
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 257 LINE COUNT: 00023

FILE SEGMENT: CD File 275

TEXT:

As well as joining Oracle Corp's Warehouse Technology Initiative (CI No 2,695), Prism Solutions Inc, Sunnyvale, California, has added Changed Data Capture and Warehouse Update modules to its software...

...spanning several years. Warehouse Update enables users to apply changes in rows in an Oracle data warehouse. The Warehouse Manager generates a Cobol program with embedded SQL manipulation language to replace or insert rows in a data warehouse. Meantime the Prism Directory Manager can now build a directory of meta data incorporating models imported and converted from Oracle CASE and technical...

...Capture and Warehouse Update are \$25,000 options for Warehouse Manager for use with Oracle data warehouse and are available in September. Directory Manager costs \$35,000 for the repository engine and...

19950717

1/2,AB,KWIC/64
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01758986 SUPPLIER NUMBER: 16714868 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PRISM SOLUTIONS AIMS DATA WAREHOUSE QUERY AND ANALYSIS TOOLS AT
NON-TECHNICAL BUSINESS MANAGERS.
Computergram International, pCGN01180019
Jan 18, 1995
ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 352 LINE COUNT: 00027

FILE SEGMENT: CD File 275

PRISM SOLUTIONS AIMS DATA WAREHOUSE QUERY AND ANALYSIS TOOLS AT
NON-TECHNICAL BUSINESS MANAGERS.

TEXT:

...now the traditional database suppliers too, are waking up to this notion, Sunnyvale, California-based data warehouse Prism Solutions Inc believes that if non-technical managers are to use the kind of data that...

...inelegant arrangement of relational structures, index tables, catalogues of stored data - meta-data - collecting, sorting, building, navigating and query tools, could do with some rationalising itself. Until Prism introduced its Directory...

...a separate relational database to store views of meta-data, only systems managers responsible for building the warehouse could actually use the meta-data. Nevertheless there is still some concern among...

...many loose ends in warehousing, but says it will complete the circle by teaming with data extraction, analysis, presentation and Computer Aided Software Engineering providers to build query and analysis tools for end users, presumably including the ability to issue queries from...

19950118

1/2,AB,KWIC/70

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

01708989 SUPPLIER NUMBER: 16178905 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Building the data warehouse. (includes related articles describing data warehouse components and listing a data warehouse project plan) (Cover Story) (Tutorial)

Ferrara, Ray

DEC Professional, v13, n10, p31(7)

Oct, 1994

DOCUMENT TYPE: Tutorial

ISSN: 0744-9216

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4065 LINE COUNT: 00332

ABSTRACT: How to scope, implement, and manage a data warehouse pilot project is described. Data warehousing extracts meaningful subsets of data from an organization's operational systems and then standardizes, retains, and integrates the data to allow it to be used to meet the organization's key informational needs. There are eight steps in the data warehouse pilot planning process: develop a business needs analysis and a requirements definition; develop a detailed action plan for the pilot; develop information models addressing the information product requirements that were identified earlier; learn about specific sources to populate the warehouse; develop techniques for moving data from sources to the warehouse databases; develop information products and reports from the information product requirements identified earlier; develop an overall cataloging/scheduling system; and provide user training via tools, data, and processes.

SPECIAL FEATURES: illustration; table; chart

DESCRIPTORS: MIS; Strategic Planning; Information Resources Management; Organization Structure; Tutorial; Management of EDP; Enterprise Network

FILE SEGMENT: CD File 275

Building the data warehouse. (includes related articles describing data warehouse components and listing a data warehouse project plan) (Cover Story) (Tutorial)

ABSTRACT: How to scope, implement, and manage a data warehouse pilot project is described. Data warehousing extracts meaningful subsets of data from an organization's...

...used to meet the organization's key informational needs. There are eight steps in the data warehouse pilot planning process: develop a business needs analysis and a requirements definition; develop a detailed...
...models addressing the information product requirements that were identified earlier; learn about specific sources to populate the warehouse; develop techniques for moving data from sources to the warehouse databases; develop information...

TEXT:

In "The Data Warehouse : A Giant Step For-ward" (November 1993), we examined the data warehouse in detail, including the types of organizations implementing data warehouses and the evolutionary stages most organizations undergo in achieving a data warehouse environment. That article covered the why and the what of data warehousing. In this article we focus on the how: how to scope, implement and manage a data warehouse pilot project.

... to help an organization gain "informational access" to its electronic data. The essence of the data warehouse concept is to extract meaningful subsets of data from an organization's operational systems and...

...market planning, analyses of customer purchase patterns, product profitability studies and trend analyses. Without the data warehouse , organizations usually meet these types of needs by a series of one-off extracts from...

...telecommunications. Figures 1 and 2 show the major architectural components in the more fully developed data warehouse environments in these and other industries.

[CHART OMITTED]

Data Warehouse Pilot

To my knowledge, no large-scale organization has jumped from a "production-reports-only...

...not all of the architectural components in Figure 1. Any initial steps taken in a data warehouse pilot should build toward or at least not preclude achieving this vision.

But how do you go about successfully implementing a data warehouse ? Figure 3 presents the straightforward approach I recommend. This methodology is based on practical experiences in implementing several data warehouse environments. It distills what are the key elements in planning a data warehouse and ensures that they are accomplished in the right sequence. For example, I recommend deferring tool selection until after you clearly identify data extraction and presentation needs. And while each organization is unique, this methodology is sufficiently flexible and...

...who will be judged and rewarded on the basis of the implementation of a functioning data warehouse . It is also important to ensure that the

warehouse project is not just a technology...
...the company.

Iterative Approach -- The normal pattern to developing a large, enterpriselevel warehouse is to populate it in iterative steps, adding new data sources as you address new informational needs. To...

...1 when major changes in the technical ground rules or tactical shifts in the overall data warehouse approach need to be examined and decided on.

Real-World Pilots -- To successfully launch a functioning data warehouse environment, you must choose projects that solve real business informational needs and deliver these solutions...

...sustain the commitment and involvement of business users, not to mention the involvement of the data warehouse technical team members who may feel they are tagged with a "sandbox" project. I prefer...

...of initial limited-scope pilots that each have merit in their own right and that build together to solve additional business needs.

For example, you can start with a series of...to a warehouse environment that provides real and immediate business benefits for order analysis and builds a foundation for competitive market and customer analyses.

A corollary to this point is to...

...a number of important software tool and infrastructure decisions in the course of developing a data warehouse environment. These decisions include the interdependent choices around:

- * The relational database and hardware platforms for...

...and mapping data into the warehouse, including 3GL/4GL coding or program generators such as Prism Solutions Inc.'s Warehouse Manager, Carleton Corp.'s Passport and Evolutionary Technologies Inc.'s Extract.

- * The...

...it is important to choose the correct tools for the job, most organizations beginning a data warehouse project would be better served by deferring most tool evaluations until later in the process and building their first iterations of the warehouse using the tools and platforms with which they are...

...want to downplay the effort required to migrate to new tool sets, migrations in a data warehouse environment tend to be less painful than with other mission-critical operational systems. You can...

...layer.

Planning Step-by-Step

Let's review the basic methodology for embarking on a data warehouse project, as shown in Figure 3.

FIGURE 3.

Scoping Phase

Step 1 -- Perform business needs...

...models to dictionary (if applicable).

Step 4 -- Gain a detailed knowledge of specific sources to populate the warehouse.

- a. Identify and document sources derived from internal legacy systems.

- b. Identify and...your user base, even if this metadata is online.

Step 4 -- Identify specific sources to populate the warehouse. The basic deliverable of this step is a detailed knowledge about the data... project.

Step 5 -- Develop techniques for moving data from sources to the warehouse. Almost all data warehouses began the old-fashioned way, with programmers hand-coding a series of 3GL or 4GL...

...off from the ideal one program-does-it-all scenario. Instead, it becomes necessary to build efficient extract programs. These are scheduled in normal production job runs and typically produce flat...

...identified in Step 1a. By this step, you and your team are working with a populated, functioning data warehouse. The major goal now is to construct the information products that were identified at the beginning of this process. This entails building the database views and reports that users need. If these views are used regularly in...

...those components in Figure 2, that can help improve the usability and manageability of a data warehouse environment. These include some sophisticated end-user catalog tools, such as IBM's PC-based...

...related software vendors partner in these common strategies, the promise of a seamless, less-fragmented data warehouse environment looms nearer. But as we cautioned earlier, the future is not quite here. At...

...Services 3720 E. Kachina Ahwatukee, AZ 85044 (602) 598-3471
CIRCLE 420 ON READER CARD
Prism Solutions Inc. 480 Oakmead Pkwy. Sunnyvale, CA 94086 (408)
481-0240
CIRCLE 415 ON READER CARD...

19941000

1/2,AB,KWIC/83
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01630287 SUPPLIER NUMBER: 14818325 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Prism Data Warehouse update extends DB2 support. (Prism Solutions
Inc.'s Prism Warehouse Manager Release 3.5 and the Changed Data Capture
module) (Product Announcement)
Moser, Karen D.
PC Week, v10, n50, p49(2)
Dec 20, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0740-1604 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 340 LINE COUNT: 00027

SPECIAL FEATURES: illustration; chart
COMPANY NAMES: Prism Solutions Inc.--Product introduction
DESCRIPTORS: Product Introduction; Application Development Software;
Database
PRODUCT/INDUSTRY NAMES: 7372420 (Database Mgmt Software Pkgs (Micro))
SIC CODES: 7371 Computer programming services; 7372 Prepackaged
software
TRADE NAMES: Prism Warehouse Manager 3.5 (Database application
development software)--Product introduction; Changed Data Capture

(Database application development software)--Product introduction; DB2 (DBMS)--Usage
FILE SEGMENT: CD File 275

Prism Data Warehouse update extends DB2 support. (Prism Solutions Inc.'s Prism Warehouse Manager Release 3.5 and the Changed Data Capture module) (Product...

TEXT:

Prism Solutions Inc. will ship next month an upgrade to its Data Warehouse software that adds support for two new database management systems and extends support for DB2.

Prism's Data Warehouse software line is aimed at helping corporations distribute data that resides in DB2, IDMS, and RMS files. Prism's Data Warehouse Manager is a tool that extracts, integrates, and copies DB2, IDMS, and Digital Equipment Corp...

...environment without needing to program. The Manager extracts the data, generates any code needed, and builds a data warehouse to contain the data on the specified database platform.

The Changed Data Capture module captures...

...warehouse" keeps maintenance costs down and makes management easier, particularly at large corporate sites, said Prism Solutions officials in Sunnyvale, Calif.

Using a data warehouse helps maintain the integrity of data, officials said.

"The data warehouse gives us the ability to rely on the accuracy and integrity of the data and...

...Power & Light, a utility in Juno Beach, Fla.

Release 3.5 supports the development of data warehouses on IBM-compatible mainframes, and on Data General Corp., DEC, Hewlett-Packard Co., IBM, NCR...

COMPANY NAMES: Prism Solutions Inc...
19931220

1/2,AB,KWIC/86

DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01619584 SUPPLIER NUMBER: 14367336 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Prism Solutions supports HP Open Warehouse program. (Brief Article)
HP Professional, v7, n9, p66(1)
Sept, 1993
DOCUMENT TYPE: Brief Article ISSN: 0896-145X LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 120 LINE COUNT: 00010

COMPANY NAMES: Prism Solutions Inc.--Contracts; Hewlett-Packard Co.--
Contracts
DESCRIPTORS: Marketing Agreements; DBMS; System Conversion
SIC CODES: 7371 Computer programming services; 3571 Electronic
computers; 3577 Computer peripheral equipment, not elsewhere classified;
7372 Prepackaged software
TICKER SYMBOLS: HWP

TRADE NAMES: Prism Warehouse Manager (Database application development software)--Marketing
OPERATING PLATFORM: HP 9000
FILE SEGMENT: CD File 275

Prism Solutions supports HP Open Warehouse program. (Brief Article)
TEXT:

Prism Solutions announced it will support HP's Open Warehouse program. Under this program, Prism and HP...

...and services to customers, combining resources to create a complete software and hardware solution for building a data warehouse .
... Manager software automates the transformation of data from legacy systems and operational applications to a data warehouse or informational database. It automatically extracts and integrates data, generates code, creates and manages meta data, and builds a subject-oriented, historical base of meaningful information for decision support.

Warehouse Manager supports UNIX-based data warehouse development using Sybase, Oracle or Red Brick database management systems on the HP 9000 Business...

COMPANY NAMES: Prism Solutions Inc...
19930900

1/2, AB, KWIC/87
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01604691 SUPPLIER NUMBER: 13985859 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A data warehouse. (DB/Expo) (Bill Inmon, Vice President, Prism Solutions) (Tutorial)
Computer Conference Analysis Newsletter, n319, p12(1)
May 18, 1993
DOCUMENT TYPE: Tutorial ISSN: 1071-2216 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 651 LINE COUNT: 00055

COMPANY NAMES: Prism Solutions Inc.--Officials and employees
DESCRIPTORS: Database; Data Structures; DB-Expo; Trade Show; Tutorial
NAMED PERSONS: Inmon, Bill--Addresses, essays, lectures
SIC CODES: 7371 Computer programming services
FILE SEGMENT:. CD File 275

A data warehouse. (DB/Expo) (Bill Inmon, Vice President, Prism Solutions) (Tutorial)

TEXT:

The speaker was Bill Inmon, Vice President, Prism Solutions .
... I want and then I will tell you what I really want."
The process for building a data warehouse is:
* Build a data model (corporate/enterprise level).
* Build a data model of the "legacy data" that is available.
- This is the "system of...

...Design your warehouse.

* Transform/integrate the data from the legacy system to the new warehouse.

* Populate the new warehouse with new data.

* Build an infrastructure to support the warehouse.

"Those steps have been known for a long time..."

COMPANY NAMES: Prism Solutions Inc...

19930518

?t 1/2,ab,kwic/1,4,7,8,9,14,16,18,21,22

1/2,AB,KWIC/1

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02167003 SUPPLIER NUMBER: 20158425 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Heterogeneous, diversified, and big. (Cargill Inc's use of Evolutionary Technologies International's ETI*Extract Tool Suite) (Company Operations) Osucha, Eden

Software Magazine, v16, n13, p32(2)

Nov, 1997

ISSN: 0897-8085

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 589

LINE COUNT: 00051

SPECIAL FEATURES: photograph; table; illustration

COMPANY NAMES: Cargill Inc.--Communication systems; Evolutionary

Technologies International Inc.--Products

DESCRIPTORS: DBMS; Company Systems Management

PRODUCT/INDUSTRY NAMES: 7372421 (DBMS)

SIC CODES: 7372 Prepackaged software

TRADE NAMES: ETI Extract (DBMS)--Case studies

FILE SEGMENT: CD File 275

Cargill supports six data warehouses , the largest of which totals 50Gbs. One of the greatest challenges for the managers of...

...IT technical consultant, says one the thorniest problems is determining business rules to cleanse and build consensus for integrated data such as customer information from different business units.

According to Melby...

...This open systems data conversion tool selectively retrieves, transforms, and moves data between databases and data warehouses . Melby says the ETI data conversion tool was chosen over such competing products as Trinzic's Infopump, Carlton's Passport, and Prism Solutions ' tools because it allowed customization of the code being generated.

"What was also key with..."

...that while an interface for a function with the CMTS can take 30 hours to build , setting up an additional application for that functionality may take as little as two hours...

19971100

1/2,AB,KWIC/4

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02110954 SUPPLIER NUMBER: 19896955 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Buried info treasure. (data stored in enterprise resource planning
programs) (includes related article on putting SAP data into databases)
(PC Week Executive) (Industry Trend or Event)

Moad, Jeff

PC Week, v14, n43, p95(3)

Oct 13, 1997

ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2568 LINE COUNT: 00208

ABSTRACT: Customers using enterprise resource planning (ERP) tools are beginning to demand better querying functions, and vendors are responding by adding decision support tools to their products. Many users believed that software such as SAP's R/3 would allow them to store and analyze vast amounts of data. The ERP tools store the data, but they are less adept at allowing users to access and use it. Most ERP systems were designed specifically for storage and implement complex methods to speed transaction processing. Those tweaks and the vast amount of data stored by ERP tools contribute to the difficulty of using the data for OLAP and other query methods. SAP and Oracle are planning ambitious data warehousing additions to their products that could be very proprietary. Other ERP vendors are depending on third-party partners. The proprietary solutions promise to be tightly integrated and to install quickly in turn-key implementations.

SPECIAL FEATURES: table; illustration

DESCRIPTORS: Industry Trend; CIM Software; Decision Support Software

PRODUCT/INDUSTRY NAMES: 7372431 (CAD/CAM/CIM/CAE Software); 7372414

(Business Information Management Software)

SIC CODES: 7372 Prepackaged software

FILE SEGMENT: CD File 275

... J.D. Edwards Inc. and Computer Associates International Inc., have announced major initiatives to add data warehouse and OLAP (online analytical processing) tools to their application infrastructures. PeopleSoft Inc. and Baan Co...

...as Rockford Fosgate have stumbled, and third-party data extract and transformation tool vendors, including Prism Solutions Inc. and Evolutionary Technologies Inc., until recently, haven't been much help.

Although some organizations have tried it on their own, pulling data from ERP application into a data warehouse can prove time-consuming and expensive. "It's basically a full-employment act for database...

...implemented R/3 in seven of its 11 businesses, is evaluating SAP's recently announced data warehouse solution, now in pilot testing.

Vendor initiatives

Recent data warehouse initiatives from ERP vendors are meant to change all that. Vendors including SAP and Oracle...

...from multiple views using graphical tools .

Most ambitious--and potentially most proprietary--are the ERP data warehouse architectures recently announced by SAP and Oracle. While other vendors such as Peoplesoft and J...

...extraction, OLAP and analysis tool vendors, SAP, of Waldorf, Germany, for example, is planning to build almost all of its warehouse tools itself. That includes an OLAP engine and even Web...inventory analysis. Users also can define their own cubes.

Oracle's approach, called Oracle Applications Data Warehouse and announced in May, also is highly integrated with the Redwood Shore, Calif., company's applications. In addition to data warehouse administration tools, it includes Oracle's own Express OLAP engine and Express Analyzer analytical tools...

...Fosgate's Richards thinks so, too. The company has been beta testing OADW (Oracle Applications Data Warehouse) and recently went into limited production, giving managers the ability to slice and dice Oracle...

...better than 36 hours, although we're hoping it will get quicker still," says Richards.

Building partnerships

Compared with the relatively proprietary approaches of SAP and Oracle, other major vendors are...

...DSS gap in their applications. J.D. Edwards, for example, has signed on Oracle to build tools for extracting data from Edwards' One World ERP suite to an Oracle warehouse and...

...taking a similar approach.

And PeopleSoft is soon to announce its strategy, which calls for building turnkey integration between PeopleSoft general ledger data and Cognos and Arbor OLAP engines in Version...

...about 18 months from now in Version 8, PeopleSoft will roll out its full-blown data warehouse.

ERP vendors admit they've just started to deliver on many of their new data warehouse promises. And, say analysts, there are still plenty of question marks. SAP, for example, still...

...to the data vault. Meta Group predicts two-thirds of ERP customers will eventually install data warehouses marketed by their application vendors. "We're evaluating (BIW), and we'll probably install it with the next major release of R/3," says Elf Atochem's Vettese. "It beats building it ourselves."

Soup-to-nuts management

What remote systems management products offer:

* Software distribution: Centralized...to roll out its Business Information Warehouse architecture. What do you do? Should you try building your own data warehouse by writing your own programs to extract R/3 data?

If you head down that...

...problems, says Richard Roth, partner in charge of the Minneapolis-based global SAP reporting and data warehouse competency center for Price Waterhouse LLC. Roth should know. He's helped several customers build data warehouses off their SAP R/3 systems. The biggest challenge, Roth says, is keeping up with...

...or-nothing strategies that call for moving the bulk of reporting off SAP into a data warehouse. A better approach is to move only those processes that don't fit within standard...

...usually is grossly underestimated," Roth says.

* Keep in mind it's easy to overburden warehouse data extraction, transformation and loading tools when you're dealing with lots of R/3 data.

Try...

...In some cases Price Waterhouse and customers have attacked the problem by off-loading heavy data extraction and transformation from the Unix server to a mainframe accessing a separate SAP operational data...

19971013

1/2,AB,KWIC/7

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02099908 SUPPLIER NUMBER: 19753953 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Schedule Manager automates data warehousing. (Prism Solution's Prism

Schedule Manager) (Brief Article) (Product Announcement)

Callaghan, Dennis

MIDRANGE Systems, v10, n12, p52(1)

August 15, 1997

DOCUMENT TYPE: Brief Article Product Announcement ISSN: 1041-8237

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 357 LINE COUNT: 00032

SPECIAL FEATURES: other; illustration

COMPANY NAMES: Prism Solutions Inc.--Product introduction

DESCRIPTORS: Data Warehousing Software; Software Product Introduction

PRODUCT/INDUSTRY NAMES: 7372425 (Data Warehousing Software)

SIC CODES: 7372 Prepackaged software

TICKER SYMBOLS: PRZM

TRADE NAMES: Prism Schedule Manager (Data warehousing software)--Product introduction

FILE SEGMENT: CD File 275

TEXT:

Prism Solutions Inc.'s (Sunnyvale, Calif.) new product seeks to alleviate data traffic jams.

Prism Schedule Manager allows a data warehouse developer to graphically construct a plan or schedule that defines where, when and how each...

...communications cycle between the warehouse team and operations group is shortened. Development teams can place data warehouses into production without having to rely on operations.

"The value (to the AS/400 community) is that you're able to build a blueprint for the production staff to communicate to the operations staff an understanding of...

COMPANY NAMES: Prism Solutions Inc...

19970815

1/2,AB,KWIC/8

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02099468 SUPPLIER NUMBER: 19681745 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Metadata: the missing link. (decision-support utilities) (Technology

Information)

Sherman, Richard P.

DBMS, v10, n9, p73(6)

August, 1997

ISSN: 1041-5173

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4461

LINE COUNT: 00371

ABSTRACT: The industry excitement over the potential benefits to overall corporate productivity offered by the recent spate of data-analysis and decision-support applications often leads to unrealistic expectations. The majority of business users are not sufficiently trained in leveraging the technological possibilities that data-querying programs offer to the fullest extent, and programs that collate data are often best utilized by employees. The Business Information Directory (BID) offers a centralized source for locating information data contained in spreadsheets, data mines, data warehouses, data marts, OLAP and workgroup applications. Technical and business forms of this BID metadata architecture supply information on the data required by utilities and business users, respectively, in order to perform their functions.

SPECIAL FEATURES: table; chart; illustration

DESCRIPTORS: Data Warehousing/Data Mining; Technology Application;

Technology Development; Decision Support Software

FILE SEGMENT: CD File 275

...**ABSTRACT:** Directory (BID) offers a centralized source for locating information data contained in spreadsheets, data mines, data warehouses, data marts, OLAP and workgroup applications. Technical and business forms of this BID metadata architecture...

TEXT:

A tremendous amount of resources are being used in enterprises to build data warehouses and data marts. This type of decision-support activity is being performed as part of...

... at various times. Despite allowing business users access to virtually any database that IT can build, these tools have not gained the widespread usage that spreadsheets or word 4 processors enjoy...

...able to answer these questions, business use cannot make effective use of these or the data warehouse.

If You Build it, They Will Come...

Expectations for data warehouse projects are established by an initial enthusiastic group of business users. This is often reinforced...

...early adopters..

It is very common for IT to follow the philosophy of "If we build it, they will come." This philosophy is reinforced by the "data explorers" who are self...

...information while using these new tools. Data explorers have a disproportionate influence on all parties building data warehouses. They create the false expectation that business users will leap at data warehouses and find new, exciting information jewels previously locked in data basements (legacy applications to which...

...Missing Link

The Business Information Directory (BID) is the missing link needed to open up data warehouses to the business community. It is the catalog of

information that is available for decision support throughout the enterprise. This information includes data warehouses , data marts, OLAP, data mines, workgroup applications, and personal analytical databases (spreadsheets).

The cornerstone of...

...praised with zealous fever. If ignored, metadata will proliferate with every tool brought into the data warehouse environment. If approached as a religion," it will focus IT on the wrong issues. The...

...data. These tools include relational databases, application development tools, database query tools, data modeling tools, data extraction tools, online analytical processing (OLAP) tools, and data mining tools. Business metadata is the description...

...like wildfire across the enterprise as more tools and types of tools are used to build decision-support systems (DSSs). Business metadata is contained in the business requirements and specifications for...evaluated. But their semantic layer, or information catalog, is too limited to extend across the data warehouses , data marts, and so on that are needed.

The Users of a Business information Directory

The potential customers for the BID are business users and members of the IT groups building and operating the data warehouse . (See Table 1.) The former includes both data explorers and data farmers. Data farmers, however...

...analyze this data. Data explorers and IT personnel can find and access data within the data warehouse with various database access and OLAP tools. They accomplish this by spending the time looking...

...a Business Information
Directory

Class of User	Category
Business	Data explorers
	Data farmers
IT Staff	Data warehouse builders
	Data warehouse operations
	Decision-support application builders
	Business analysts

The BID's initial targets are the data farmers of the business community...

...the data explorers and IT personnel, they, too, would benefit because they could exploit the data warehouse more effectively. Data explorers and IT personnel, however, may not perceive the need for a BID because they think they already have tools to access the data warehouse .

The target market shapes what functionality the BID offers, which in its determines what is....

...and manipulate information by the business user. This is the business user's view into data warehouses , data marts, workgroup databases, and personal databases.

The Information Catalog is the brains of the...very new. Many innovators and early adopters built their own BIDs, which greatly enhanced their data warehouse efforts. Several products on the market are the result of IT internal projects or consulting...

...customer engagements or as add-ons or extensions to existing product lines. The products from Prism Solutions Inc., Platinum Technology Inc., IBM Corp., Logic Works Inc., and Virtual Integration Technology Inc. were...

...the Prism Warehouse Directory (PWD). Prism, founded by Bill Inmon, helped define and expand the data warehouse market. The company's main product is Prism Warehouse Executive (PWE), the revision to Prism Warehouse Manager, which addressed building data warehouses through extracting, transforming, and loading them from legacy systems. This process involved mapping source and...

...allows Web access to the BID and expands access to data by enabling users to build and launch queries to databases.

The Prism Warehouse Directory has been installed by approximately 100 companies. It has three components: Directory Builder (administrative tool), Directory Navigator (end-user tool), and the Information Directory. It can be purchased...

...strides in expanding its audience, PWD is still centered around the sourcing of data into data warehouses or data marts. This is a key application of metadata, but it is still technically...

...as a tool for business users to browse and understand what is contained in a data warehouse (via a repository). Business users can find information that they might not have otherwise known...But the cost of DB2/x is low and its use is limited (note: the data warehouse can be in any relational database, it is just the Information Catalog that needs to ...

...Directory

The Universal Directory was announced on April 1, 1997. Logic Works understands metadata for building databases, given its successful track record with the ERwin data modeling tool. This BID evolved from the idea of using the models generated during the design phase of your data warehouse or data mart as the base of metadata management. This metadata would then be expanded...

...used for scanning legacy data), and Sterling Clear:access (query tool used to access a data warehouse). Clients work on Windows 95 or Windows NT while the servers work on Windows NT...

...deliveryMANAGER is a BID concentrating on distributing data from a variety of decision-support systems (data warehouses, data marts, and so on) and file servers. This BID enables business users to find...

...to manage the information directory. It handles user security, registration of all information objects, the building of collections, and monitoring information usage. This is implemented on Unix and Windows NT.

The...risk level associated with a startup.

Recommendations

With all of the resources being used in building data warehouses and data marts, it is imperative to make the results of these projects usable by...

...visible, understandable, and available. In short, it can be the difference between success and failure.

Data warehouse and data mart projects need to incorporate

metadata management and BIDs as part of their...

...currently available products offer advantages over ignoring these issues and capabilities. Many of the early data warehouse projects built their own BIDs, which is still a viable alternative. However, many IT shops...

...own custom-built solutions.

Richard P. Sherman is currently managing Coopers & Lybrand's New England Data Warehouse / DSS Practice. He can be reached at Richard.Sherman@coopers.com.

19970800

1/2,AB,KWIC/9

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02095868 SUPPLIER NUMBER: 19690054 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The evolution of metadata. (Enterprise C/S) (Technology

Information) (Column)

Hurwitz, Judith

DBMS, v10, n8, p12(2)

July, 1997

DOCUMENT TYPE: Column

ISSN: 1041-5173

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1677 LINE COUNT: 00142

ABSTRACT: Data warehouses are often created when management is faced with more data than it can possibly manage, or when a merger occurs. However, management sometimes moves into data warehousing without gaining a full understanding of the underlying systems issues. The creation of a metadata model is the most important part of a data warehouse. Metadata is information about data elements. This is necessary to accommodate the data warehouse model, because the data warehouse takes information from multiple data sources. This is complicated by the lack of a standard for metadata. There are three types of metadata; operational, navigational and RDBMS, each one serving a different purpose. Navigational metadata is used to help end users browse or query the data warehouse, while operational metadata facilitates the extract, transform, move and load process. RDBMS metadata is used to maintain internal tables and other database structures.

DESCRIPTORS: Technology Overview; Data Warehousing/Data Mining; DBMS

PRODUCT/INDUSTRY NAMES: 7372421 (DBMS)

SIC CODES: 7372 Prepackaged software

FILE SEGMENT: CD File 275

ABSTRACT: Data warehouses are often created when management is faced with more data than it can possibly manage...

...systems issues. The creation of a metadata model is the most important part of a data warehouse. Metadata is information about data elements. This is necessary to accommodate the data warehouse model, because the data warehouse takes information from multiple data sources. This is complicated by the lack of a standard...

...a different purpose. Navigational metadata is used to help end users browse or query the data warehouse, while operational metadata facilitates the extract, transform, move and load process. RDBMS metadata is used...

Organizations often decide to begin implementing a data warehouse because management is dealing with so much data that it can't make sense of it all. The need to implement a data warehouse is often accelerated when companies merge or when they are looking for ways to market...

...Metadata is a set of definitions about data elements stored in traditional data sources. Because data warehouses often take information from multiple data sources, it is critical that common definitions exist across...

...into account and managed properly. This is especially true when organizations deploy increasingly complex, interdependent data warehouse and transaction systems. Metadata is a key issue because the only way to change data...

...no clear, emerging standard will increasingly become a problem as large-scale enterprises deploy complex data warehouses or move to integrate heterogeneous data marts. To develop a viable strategy for managing metadata...

...if any, commonality or interoperability exists among the various tools that can be used to build, populate, manage, and access a large data warehouse. Because metadata is relatively new as a discipline, IT organizations have no clear guidelines. However...

...O Inc. have announced their intent to support MDIS V1.0 in the near future.

Prism Solutions Inc., an industry leader, has adopted the CASE Data Interchange Format (CDIF) from the Electronics...become the mother lode for corporate data. I believe that enterprises are already beginning to build systems that use the CDR (also referred to as the operational data store) as a...

...the design, deployment, and management of large-scale systems.

Organizations that are counting on a data warehouse to change the bottom line must be prepared to address the metadata issues early and...

19970700

1/2,AB,KWIC/14

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02063819 SUPPLIER NUMBER: 19409112 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Prism Solutions to unwrap data warehouse tuner tool. (Schedule Manager data warehousing software at the DB/Expo, May 1997) (Industry Trend or Event)(Brief Article)

PC Week, v14, n19, p3(1)

May 12, 1997

DOCUMENT TYPE: Brief Article ISSN: 0740-1604 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 113 LINE COUNT: 00012

COMPANY NAMES: Prism Solutions Inc.--Product introduction
DESCRIPTORS: Trade Show Report; DB-Expo; Data Warehousing Software
PRODUCT/INDUSTRY NAMES: 7372425 (Data Warehousing Software)
SIC CODES: 7372 Prepackaged software
TICKER SYMBOLS: PRZM
TRADE NAMES: Prism Schedule Manager (Data warehousing software)--Product introduction
FILE SEGMENT: CD File 275

Prism Solutions to unwrap data warehouse tuner tool. (Schedule Manager data warehousing software at the DB/Expo, May 1997) (Industry Trend...

TEXT:

At DB/Expo this week, Prism Solutions will announce a new tool called Schedule Manager that lets administrators monitor and tune a data warehouse. The tool also automates file transport and scheduling of warehouse activities.

Also at the show: * Information Builders will partner with Applix to make Applix's spreadsheet-based desktop OLAP (online analytical processing ...

COMPANY NAMES: Prism Solutions Inc...
19970512

1/2,AB,KWIC/16
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02059456 SUPPLIER NUMBER: 19344667 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Passport eases metadata snags. (Carleton's data extraction tool)(Product Announcement)(Brief Article)
Perez, Juan Carlos
PC Week, v14, n16, p18(1)
April 21, 1997
DOCUMENT TYPE: Product Announcement Brief Article ISSN: 0740-1604
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 400 LINE COUNT: 00037

SPECIAL FEATURES: illustration; table
COMPANY NAMES: Carleton Corp.--Product enhancement
DESCRIPTORS: Software Product Enhancement; DBMS
PRODUCT/INDUSTRY NAMES: 7372421 (DBMS)
SIC CODES: 7372 Prepackaged software
TRADE NAMES: Carleton Passport (DBMS)--Product enhancement
FILE SEGMENT: CD File 275

Passport eases metadata snags. (Carleton's data extraction tool)(Product Announcement)(Brief Article)

Responding to users' demands for uniform metadata, Carleton Corp. is integrating its Passport data extraction tool with Software AG's data transportation ware and Intellidex Systems LLC's warehouse management...

...sidestep some problems in dealing with metadata. Currently, there is no metadata standard, so every data warehouse tool vendor handles metadata

differently. MetaCenter will support any Open Database Connectivity-compliant relational data warehouse environment to extend metadata repositories, officials said.

Carleton's goal is ambitious; some observers doubt...

...advantage of the metadata repository. They could use a competing product, such as those from Prism Solutions Inc. or Informatica Corp., along with the Software AG and the Intellidex pieces, said officials...

...cleaning perfectly, but if the metadata isn't accurate, there goes the validity of your data warehouse."

The integration between the Carleton and Software AG tools will be completed in May, while...

...cost from \$30,000 to \$400,000.

Carleton's MetaCenter components

- * Carleton's Passport for data extraction and transformation
- * Software AG's SourcePoint for data movement
- * Intellidex's Control Center for warehouse...

19970421

1/2,AB,KWIC/18

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02035093 SUPPLIER NUMBER: 19013541 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Data warehousing is the sum of its marts. (data marts and data warehouses) (includes related articles on products for building data marts and Capital One's data warehouse) (Technology Information)

Francett, Barbara

Software Magazine, v17, n1, p71(5)

Jan, 1997

ISSN: 0897-8085

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3047 LINE COUNT: 00244

ABSTRACT: Data marts are regaining popularity as manageable and cost-effective steps towards a data warehouse, but this evolution demands that IS administrators create a scalable infrastructure. A data mart is best defined as a subject-specific data warehouse that can be divided into either independent or dependent categories. An independent data mart obtains its data from a variety of sources, while a dependent data mart is supplied with data from the enterprise data warehouse. An organization's business needs determine whether a data mart will be independent or dependent. While data marts are simple and provide a quick return on investment, most companies will eventually implement enterprise data warehouses. This shift allows an organization to integrate multiple data sources, but requires a careful and well-planned architectural approach.

DESCRIPTORS: Technology Overview; Data Warehousing Data Mining; Network Architecture

SIC CODES: 7372 Prepackaged software

FILE SEGMENT: CD File 275

Data warehousing is the sum of its marts. (data marts and data

warehouses) (includes related articles on products for building data marts and Capital One's data warehouse) (Technology Information)

ABSTRACT: Data marts are regaining popularity as manageable and cost-effective steps towards a data warehouse , but this evolution demands that IS administrators create a scalable infrastructure. A data mart is best defined as a subject-specific data warehouse that can be divided into either independent or dependent categories. An independent data mart obtains...

...variety of sources, while a dependent data mart is supplied with data from the enterprise data warehouse . An organization's business needs determine whether a data mart will be independent or dependent...
...are simple and provide a quick return on investment, most companies will eventually implement enterprise data warehouses . This shift allows an organization to integrate multiple data sources, but requires a careful and
...

TEXT:

Not long ago, data marts were viewed as limited alternatives to fully populated enterprise data warehouses . Today, in the wake of a legion of failed or abandoned warehouse projects that took...

...surged in popularity. Frequently, they serve as more manageable, cost-effective stepping-stones to the data warehouse .

A data mart is best defined as a subject-specific data warehouse . "Warehousing is a spectrum from large and complex to small and simple," says George Zagelow, IBM's project manager for data warehousing solutions. "A data warehouse has more users, more subjects, and offers a chance for users to cross subject-area...

...according to industry experts. Some subject-area data marts may be huge, whereas an enterprise data warehouse of summary data could be surprisingly compact.

Complexity, however, is a another matter. The complexity of the data model for a data warehouse increases in accordance with the number of lines of business it serves. A data mart...

...of sources and operates autonomously. A dependent data mart is fed data from the enterprise data warehouse and is essentially a subset of the warehouse.

The nature of the organization's business...

...than the cost of an enterprise warehouse.

Nonetheless, many organizations will wind up with enterprise data warehouses anyway. "You can't indefinitely proliferate data marts because of the complexity of managing the...

...6000.

"Therein is one of the dangers of data mart technology. If you do not build an enterprise data warehouse structure underneath, data marts grow into a data warehouse on their own," says David Buch, IT director at Capital One, a credit-card company in Richmond, Va.

More than six years ago -- before the terms "data warehouse " or "data mart" were coined -- Capital One built a subject-oriented decision support environment for...

...issue, Buch says. "We are being asked to integrate disparate data sources into an enterprise data warehouse. With such a 'spider web' environment, integration can be very difficult," he says. "We need to take the spider web apart and build an infrastructure. It's like building a skyscraper without a first floor, then going back and putting it in. It's a slow process."

Once the enterprise data warehouse starts rolling out, he says, it will be easy to integrate into other applications. The enterprise data warehouse will then feed multiple data marts. "The data marts will be re-sourced, with one..."

...see a clear direction to the data mart as the initial foray to the larger data warehouse," says Steve Cranford, global partner in charge of data warehousing at KPMG Peat Marwick in Baltimore. "Data marts do not provide a comprehensive view across multiple functions or applications."

A data warehouse also means easier maintenance, Cranford says. "You clean and store the data once and propagate..."

...may fill the bill indefinitely at highly decentralized organizations, the majority of organizations should probably build data marts with an underlying infrastructure that can eventually support a data warehouse. This incremental, stepping-stone approach requires close partnership between IS and business departments.

IS can eliminate early inconsistencies as they build subsequent data marts, says IBM's Zagelow. "You can ...information manager. "We started with a departmental data mart and we're working toward a data warehouse," she says. "Then we'll spin off the purified data."

According to Kaufman, Toyota built...

...first data mart for freight payment history went into operation in late June, based on data warehouse software from Red Brick Systems Inc., Los Gatos, Calif., and a Brio Query front end...

...sales, and a history of routes and route changes -- it opted to move to a data warehouse.

"We started to think cross-organizationally," Kaufman says. "We are now creating an organization where..."

...them orchestrated under one data model. From that, we will be able to deploy the data warehouse in one to two years. We want to fit the pieces together like a well-planned puzzle."

Kaufman expects the data warehouse to eventually serve as many as 6,000 users company-wide. "We'll be able..."

...In a variation on the theme, Ingram Book Co., La Vergne, Tenn., has decided to build its data warehouse first and then add data marts, according to database administrator Robert Groeger. A book distributor... planning to propagate data from its DB2/MVS operational systems to the informational system, or data warehouse, then use that data to populate six to 12 target databases, or data marts. The data marts will reside on DB2...

...rather than reactive. We have to keep a tight shop." It's important that the data warehouse feed the data marts to provide a single source for data mart data, he says...

...information must be the same so their reports will reconcile," he says.

Groeger expects the data warehouse to be completed within a year. However, Ingram's business analysis needs simply can't...

...is using IBM's Visual Warehouse to manage both the data marts and a "mini data warehouse" on a DB2/2 server that is being used to build the infrastructure of the data warehouse and data marts. "This has allowed us to do some testing and incorporate feedback from users," he says.

Firms that initially opt for data marts over a data warehouse, says KPMG's Cranford, can benefit greatly should they decide to expand to an enterprise warehouse. "In a few years, those organizations with the discipline to create an enterprise data warehouse from a data mart strategy will have an information management environment characterized by ease of...

...at DMG Technology Group, Menlo Park, Calif., takes a different view. "The need for corporate data warehouses is an invention of hardware vendors that can be called into question altogether," he says...

...data. This infrastructure should be kept as simple as possible."

In this scenario, organizations "will build data marts in a coordinated fashion and manage them centrally," Tholemeier predicts. "What's coming, gradually, is the corporate data warehouse management center, like ...include repositories, data cleansers, and extraction and movement tools," he says. "This will make the data warehouse less of a silo and more of a managed network."

In the long run, Tholemeier concludes, the important issue isn't data mart vs. data warehouse. "The important questions are: What's the mission? How can we support it? What's...

...Database and other software vendors now offer an array of products specifically designed for organizations building data marts. Most are available packaged with several products, or as a suite of products...

...the QuickStart DataMart, which includes Sybase IQ, its database optimized for implementing data marts and data warehouses; a choice of Passport from Carleton Corp., Burlington, Mass., or PowerMart Suite data access and...

...are available from a host of other vendors as well. New York City-based Information Builders Inc., in conjunction with Digital Equipment Corp., Maynard, Mass., offers the SmartMart Alpha 90 Day solution, which includes Information Builders' SmartMart data mart software and services delivered on a Digital AlphaServer 4100 system. SmartMart includes...

...between the warehouse and data marts. The Metadata Control Center runs on Windows NT platforms.

Prism Solutions Inc., Sunnyvale, Calif., provides the Prism Warehouse Executive and Warehouse Directory. The Warehouse Executive includes...

...the Warehouse Executive is stored in the Warehouse Directory and is used by developers in building and managing new data marts. The products run on Windows 95 platforms, with Windows NT...

...company, offers some advice for those organizations moving from standalone data marts to an integrated data warehouse environment:

* Update the data models. "As data marts grow, they mature," Buch

says. "Look at...

...sourcing. "Make sure you can do apples-to-apples comparisons across multiple sources," he says.

* Build living metadata repositories and use them to generate scripts for loading data from sources...

...be able to trace any number to its source. This helps us stay on track."

* Build one piece at a time.

Capital One's data warehouse is still a couple of years from completion, but that isn't a problem, Buch...

19970100

1/2,AB,KWIC/21

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

01990515 SUPPLIER NUMBER: 18722353 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Prism provides data tracking, transformation. (Prism Solutions Inc

Prism Warehouse Manager 4.4) (Brief Article) (Product Announcement)

Rosen, Michele

MIDRANGE Systems, v9, n14, p32(1)

Sep 27, 1996

DOCUMENT TYPE: Brief Article Product Announcement

ISSN: 1041-8237

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 479 LINE COUNT: 00041

COMPANY NAMES: Prism Solutions Inc.--Product introduction

DESCRIPTORS: DBMS; Software Product Introduction

SIC CODES: 7372 Prepackaged software

TICKER SYMBOLS: PRZM

TRADE NAMES: Prism Warehouse Manager 4.4 (DBMS)--Product introduction

FILE SEGMENT: CD File 275

Prism provides data tracking, transformation. (Prism Solutions Inc

Prism Warehouse Manager 4.4) (Brief Article) (Product Announcement)

TEXT:

SUNNYVALE, Calif. -- Creating and maintaining a data warehouse isn't easy, especially if you're dealing with huge volumes of data. To make the job a little easier for users of the RS/6000 SP POWERparallel platform, Prism Solutions Inc. is making the latest version of its data warehouse creation and management tool available for the SP.

While Prism Warehouse Manager 4.4 won't build a data warehouse from scratch, it does automate some of the more tedious and time-consuming phases of the data warehouse creation process. Once users determine what data they want to include and how that data...

...creation of the application processes," says Cindy Sherritt, product marketing manager at Sunnyvale, Calif.-based Prism Solutions. "The actual movement of the data is subject to the products on-site in the...

COMPANY NAMES: Prism Solutions Inc...

19960927

1/2,AB,KWIC/22
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01987626 SUPPLIER NUMBER: 18656107 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Prism Warehouse Manager 4.4. (Prism Solutions' DBMS)(Product
Announcement)(Brief Article)
PC User, n287, p21(1)
July 10, 1996
DOCUMENT TYPE: Product Announcement Brief Article ISSN: 0263-5720
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 80 LINE COUNT: 00010

COMPANY NAMES: Prism Solutions Inc.--Product enhancement
DESCRIPTORS: Software Product Enhancement; DBMS
SIC CODES: 7372 Prepackaged software
TICKER SYMBOLS: PRZM
TRADE NAMES: Prism Warehouse Manager 4.4 (DBMS)--Product enhancement
FILE SEGMENT: CD File 275

Prism Warehouse Manager 4.4. (Prism Solutions' DBMS)(Product
Announcement)(Brief Article)
Supplier Prism Solutions
Contact 01734 599996
www.prismsolutions.com/
Prism Warehouse Manager 4.4, which automates the building of
enterprise-wide data warehouses and distributed data marts, now
supports Windows 95 and NT.

Prism's metadata management systems can significantly reduce build
and maintenance costs. Enhanced source-to-target field mapping is provided
using a Windows interface...

COMPANY NAMES: Prism Solutions Inc...

19960710

?log off

26jul01 10:07:59 User219455 Session D771.4
\$14.58 2.700 DialUnits File275
\$6.50 2 Type(s) in Format 9
\$25.80 12 Type(s) in Format 2 (UDF)
\$26.00 10 Type(s) in Format 5 (UDF)
\$0.00 90 Type(s) in Format 6 (UDF)
\$58.30 114 Types
\$72.88 Estimated cost File275
\$0.55 TYMNET
\$73.43 Estimated cost this search
\$86.21 Estimated total session cost 8.753 DialUnits

Status: Signed Off. (21 minutes)